				Ala-88 to Cys-93,	H0618: 3, H0253: 3,	
				Ala-108 to Ser-139,	H0545: 3, L0662: 3,	
				Ser-145 to Ser-151,	H0689: 3, L0748: 3,	
				Asp-154 to Ala-164,	L0777: 3, L0758: 3,	
				Pro-168 to Thr-189,	L0785: 2, H0692: 2,	
				Pro-196 to Ser-203,	H0662: 2, H0550: 2,	
				Pro-229 to Ala-235,	S0049: 2, L0770: 2,	
				Thr-255 to Glu-261,	L0764: 2, L0659: 2,	
				Pro-271 to Pro-276,	H0670: 2, L0779: 2,	
				Pro-289 to Asn-310,	L0757: 2, L0759: 2,	
				Pro-318 to Tyr-329,	S0434: 2, H0225: 1,	
				Arg-334 to Arg-345,	S0218: 1, H0650: 1,	
				Arg-347 to Thr-356,	H0656: 1, L0426: 1,	
				Lys-373 to Arg-391,	S0212: 1, S0442: 1,	
				Glu-396 to Pro-414.	H0489: 1, H0580: 1,	
					S0046: 1, S0132: 1,	
					S0476: 1, H0549: 1,	
					H0587: 1, H0333: 1,	
					H0559: 1, H0427: 1,	
					L0021: 1, H0599: 1,	
					H0274: 1, H0581: 1,	
					H0421: 1, H0052: 1,	
					H0231: 1, L0157: 1,	
					H0566: 1, H0123: 1,	
					T0010: 1, H0408: 1,	
					H0355: 1, H0266: 1,	
					H0271: 1, H0687: 1,	
					H0163: 1, H0087: 1,	
					H0494: 1, H0359: 1,	
					S0344: 1, L0371: 1,	

						L0637: 1, L0761: 1, L0646: 1, L0773: 1, L0363: 1, L0774: 1, L0375: 1, L0805: 1, L0658: 1, L0384: 1, L0543: 1, L0666: 1, L0663: 1, H0547: 1, H0593: 1, H0684: 1, H0660: 1, S0380: 1, H0710: 1, S0152: 1, H0521: 1, H0696: 1, H0134: 1, S0406: 1, H0436: 1, S0432: 1, L0744: 1, L0740: 1, S0436: 1, L0593: 1, H0665: 1 and H0422: 1.		
HPDRZ03	1020130	557	122 - 751	2732	Asp-7 to Ala-15, Pro-34 to Ile-60, Gln-110 to Asn-117.	L0777: 4, S0358: 3, H0486: 3, L0750: 3, L0779: 3, L0752: 3, S0412: 3, S0134: 2, H0013: 2, L0766: 2, L0803: 2, H0519: 2, H0658: 2, L0599: 2, L0604: 2, S0192: 2, T0002: 1, S0342: 1, S0212: 1, H0661: 1, H0619: 1, H0411: 1, H0632: 1, T0114: 1, H0575: 1, H0318: 1, T0110: 1, H0544: 1,		

					H0457: 1, H0328: 1, L0055: 1, H0169: 1, T0067: 1, S0422: 1, L0763: 1, L0773: 1, L0363: 1, L0804: 1, L0806: 1, L0663: 1, H0648: 1, S0152: 1, L0751: 1, L0756: 1, L0755: 1, L0731: 1, L0758: 1, L0593: 1, L0594: 1, H0665: 1, H0543: 1 and S0424: 1.		
HOCPO73	1020180	558	3745 - 2963	2733		L0777: 7, L0759: 5, L0638: 3, L0766: 3, L0804: 3, L0663: 3, L0439: 3, H0657: 2, L0055: 2, L0666: 2, H0660: 2, L0604: 2, L0615: 1, S0358: 1, L0471: 1, H0628: 1, H0038: 1, S0344: 1, H0529: 1, L0761: 1, L0630: 1, L0646: 1, L0764: 1, L0364: 1, L0803: 1, L0805: 1, L0655: 1, L0809: 1, L0790: 1, L0532: 1, H0689: 1, H0435: 1, H0658: 1, S0330: 1, H0521: 1, H0436: 1,		

					L0740: 1, L0749: 1, L0750: 1, L0757: 1, L0594: 1, L0595: 1 and S0026: 1.		
HNKDT10	1020832	559	2 - 535	2734		S0330: 109, S0328: 51, S0446: 12, L0659: 5, L0666: 4, L0779: 4, S0456: 4, L0717: 3, L0775: 3, H0593: 3, L0748: 3, L0439: 3, L0747: 3, L0749: 3, L0758: 3, L0021: 2, H0615: 2, L0662: 2, L0766: 2, L0803: 2, L0663: 2, L0665: 2, S0310: 2, H0658: 2, H0648: 2, S0406: 2, L0740: 2, L0731: 2, L0595: 2, H0624: 1, H0662: 1, S0376: 1, H0351: 1, H0411: 1, H0587: 1, L0022: 1, L0105: 1, H0688: 1, H0617: 1, L0455: 1, H0494: 1, S0352: 1, S0464: 1, S0440: 1, S0422: 1, L0772: 1, L0646: 1, L0771: 1, L0773: 1, L0649: 1, L5569: 1, L0499: 1,		

						L0375: 1, L0651: 1, L0784: 1, L0806: 1, L0509: 1, L0655: 1, L0657: 1, L0513: 1, L0809: 1, L0545: 1, L0790: 1, L0791: 1, L0792: 1, L0664: 1, H0144: 1, H0519: 1, S0126: 1, S0404: 1, H0555: 1, L0751: 1, L0777: 1, S0436: 1 and L0592: 1.		
HWHGO25	1020841	560	3 - 113	2735	Gly-7 to Leu-15, Pro-17 to His-29.	L0747: 5, L0805: 3, L0761: 2, L0803: 2, L0775: 2, H0658: 2, L0758: 2, S0298: 1, H0586: 1, H0597: 1, L0646: 1, L0776: 1, L0518: 1, L0519: 1, L0528: 1, L0529: 1, L0790: 1, L0666: 1, H0690: 1, H0521: 1, L0749: 1 and L0777: 1.		
HWMNE31	1020852	561	157 - 681	2736	Thr-15 to Trp-23, Ala-44 to Glu-51, Lys-62 to Arg-70, Asp-102 to Lys-114, Val-116 to Ala-148, Phe-151 to Glu-163.	L0803: 13, L0766: 10, L0731: 8, L0751: 6, L0601: 6, L0756: 5, L0764: 4, L0789: 4, S0136: 4, H0436: 4, L0777: 4, L0596: 4, H0556: 3, H0580: 3,		

					H0328: 3, H0615: 3, H0090: 3, L0775: 3, L0666: 3, L0747: 3, L0755: 3, L0758: 3, S0412: 3, H0341: 2, S0376: 2, H0393: 2, H0549: 2, H0431: 2, H0587: 2, H0013: 2, L0021: 2, H0597: 2, H0014: 2, H0644: 2, L0800: 2, L0773: 2, L0662: 2, L0784: 2, L0805: 2, L0438: 2, H0520: 2, H0648: 2, L0748: 2, L0439: 2, L0740: 2, L0604: 2, H0265: 1, H0685: 1, S0114: 1, H0657: 1, H0656: 1, H0661: 1, H0663: 1, H0402: 1, S0358: 1, S0444: 1, S0360: 1, S0045: 1, H0351: 1, L0394: 1, S0222: 1, H0333: 1, H0575: 1, H0318: 1, H0421: 1, H0052: 1, T0103: 1, H0570: 1, H0024: 1, H0083: 1, H0067: 1, H0188: 1, S0003: 1, S0214: 1,		

					H0622: 1, H0673: 1, L0456: 1, H0163: 1, H0591: 1, H0040: 1, H0551: 1, T0067: 1, H0412: 1, H0560: 1, H0647: 1, S0142: 1, S0208: 1, S0422: 1, H0695: 1, L0369: 1, L0520: 1, L0763: 1, L0770: 1, L0638: 1, L0771: 1, L0794: 1, L0774: 1, L0651: 1, L0378: 1, L0776: 1, L0657: 1, L0809: 1, L0532: 1, L0663: 1, L0664: 1, L0665: 1, H0144: 1, H0725: 1, H0659: 1, H0666: 1, H0518: 1, H0521: 1, S0013: 1, H0696: 1, S0406: 1, S3014: 1, S0027: 1, L0754: 1, L0749: 1, L0752: 1, L0757: 1, S0260: 1, L0592: 1, S0026: 1, S0276: 1, H0542: 1, H0423: 1, H0422: 1 and H0721: 1.		
HUSY375	1020878	562	1 - 420	2737		H0484: 35, L0751: 15, L0758: 12, H0483: 10,	

					L0743: 9, H0370: 8, S0442: 7, S0126: 7, S0436: 7, S0420: 6, L0766: 6, H0670: 6, H0672: 6, L0744: 6, L0779: 6, S0434: 6, H0661: 5, S0476: 5, H0617: 5, H0660: 5, S0027: 5, L0747: 5, L0592: 5, S0040: 4, H0716: 4, H0662: 4, S0140: 4, H0545: 4, H0150: 4, S0440: 4, H0641: 4, H0689: 4, H0682: 4, H0684: 4, S0380: 4, S0406: 4, S3014: 4, S0356: 3, H0729: 3, H0733: 3, S0007: 3, H0639: 3, H0123: 3, H0424: 3, S0366: 3, H0087: 3, H0647: 3, L0769: 3, L0775: 3, H0690: 3, H0696: 3, S3012: 3, L0740: 3, H0543: 3, L0600: 3, H0713: 2, H0663: 2, S0376: 2, S0444: 2, S0408: 2, S0046: 2, H0619: 2, S0300: 2, S0278: 2,		

H0592: 2, H0052: 2, L0157: 2, H0688: 2, H0606: 2, H0674: 2, H0059: 2, H0100: 2, L0763: 2, L0771: 2, L0649: 2, L0633: 2, L0383: 2, H0520: 2, H0435: 2, H0658: 2, H0648: 2, H0436: 2, S0390: 2, L0748: 2, L0777: 2, L0731: 2, L0757: 2, L0759: 2, S0260: 2, H0686: 1, S6024: 1, H0294: 1, S0134: 1, H0657: 1, H0656: 1, S0180: 1, S0212: 1, H0254: 1, S0418: 1, S0354: 1, S0410: 1, H0722: 1, S0045: 1, S0132: 1, H0393: 1, H0550: 1, H0587: 1, H0333: 1, T0109: 1, H0101: 1, H0427: 1, H0575: 1, H0706: 1, T0048: 1, S0474: 1, H0581: 1, S0049: 1, H0309: 1, H0597: 1, H0231: 1, H0009: 1, H0178: 1, H0567: 1, H0024: 1,						

						H0051: 1, H0099: 1, H0594: 1, H0188: 1, S0214: 1, H0604: 1, H0417: 1, H0181: 1, H0673: 1, H0551: 1, H0412: 1, H0413: 1, H0494: 1, H0334: 1, S0150: 1, S0426: 1, H0529: 1, L0373: 1, L0374: 1, L0764: 1, L0385: 1, L0774: 1, L0375: 1, L0654: 1, L0657: 1, L0659: 1, L5623: 1, L0368: 1, L0665: 1, H0702: 1, H0519: 1, H0683: 1, S0328: 1, S0330: 1, H0539: 1, S0378: 1, H0522: 1, S0037: 1, S0028: 1, S0206: 1, L0754: 1, L0750: 1, H0445: 1, H0595: 1, L0591: 1, L0361: 1, L0601: 1, S0192: 1, H0542: 1, H0423: 1 and S0456: 1.		
HSDFS07	1020904	563	2 - 1018	2738	Glu-1 to Asn-6, Glu-14 to Leu-19, Pro-22 to Ile-30, Ser-32 to Asp-40,	L0439: 5, L0777: 4, H0244: 2, S0010: 2, S0386: 2, L0764: 2, L0776: 2, L0809: 2,			

						Ser-44 to Gln-53.	H0519: 2, L0756: 2, L0780: 2, H0369: 1, S0222: 1, S0346: 1, H0050: 1, H0428: 1, L0194: 1, L0455: 1, H0494: 1, L0769: 1, L0806: 1, L0807: 1, L0664: 1, H0520: 1, L0747: 1, L0779: 1, L0759: 1, S0031: 1 and L0592: 1.		
HCOPC09	1021208	564	620 - 378	2739	Glu-49 to Asn-62.	L0764: 3, S0360: 2, H0331: 2, H0575: 2, L0769: 2, H0670: 2, L0747: 2, L0777: 2, L0601: 2, S0358: 1, H0455: 1, H0492: 1, L0021: 1, L0763: 1, L0662: 1, L0803: 1, L0774: 1, L0775: 1, L0809: 1, H0683: 1, H0522: 1, L0743: 1, L0362: 1 and H0422: 1.		
HVVBT22	1021323	565	811 - 2	2740	Pro-5 to Lys-15, Asn-31 to Ala-38, Asp-57 to Arg-64, Ala-75 to Asp-90, Gln-98 to Gly-123, Arg-125 to Gly-142, Met-155 to Gly-160.	H0424: 5, L0766: 3, S0222: 2, S0214: 2, S0422: 2, S0126: 2, S0330: 2, L0759: 2, L0362: 2, L0361: 2, H0653: 2, H0220: 1, H0656: 1, H0341: 1,			

					Leu-162 to Pro-182, Arg-187 to Met-192, Ser-199 to Asp-219, Pro-224 to Pro-253.	H0449: 1, S0376: 1, S0045: 1, H0351: 1, H0587: 1, H0497: 1, S0010: 1, L0471: 1, H0373: 1, H0083: 1, H0266: 1, L0055: 1, H0163: 1, H0591: 1, H0551: 1, H0366: 1, H0509: 1, H0538: 1, L0770: 1, L0772: 1, L0381: 1, L0775: 1, L0653: 1, L0518: 1, L0665: 1, H0144: 1, H0520: 1, H0547: 1, H0689: 1, H0672: 1, S0328: 1, H0539: 1, H0696: 1, L0747: 1, L0752: 1, L0591: 1, L0592: 1, H0216: 1 and S0396: 1.		
HAMFW66	1021327	566	8 - 988	2741	His-3 to Phe-9, Asn-176 to Thr-184, Glu-217 to Lys-225, Lys-263 to Asp-268.	AR053: 3, AR052: 3, AR096: 2, AR033: 2, AR089: 2, AR055: 2, AR104: 1, AR060: 1, AR061: 0, AR039: 0 L0754: 12, S0410: 10, L0766: 9, L0591: 7, L0748: 4, L0752: 4, H0423: 4, H0556: 3, S0360: 3, L0646: 3,		

						L0792: 1, L0793: 1, H0519: 1, H0682: 1, H0648: 1, S0330: 1, S0152: 1, S0406: 1, L0750: 1, L0779: 1, L0757: 1, L0759: 1, L0480: 1, H0542: 1 and H0506: 1.			
HPMBW86	1021661	567	3 - 179	2742	Leu-2 to Gly-15, Val-31 to Gly-40, Gly-45 to Ala-51.	H0341: 1, S0222: 1, H0156: 1, H0052: 1, H0031: 1, L0766: 1, H0658: 1, H0670: 1 and L0612: 1.			
HOFMK02	1021666	568	138 - 230	2743	Thr-24 to Leu-29.	H0415: 2 and H0486: 1.	11p15		108985, 186921, 602092
HOUHK71	1021682	569	311 - 370	2744	Arg-11 to Trp-20.	L0755: 4, H0638: 2, S0342: 1, H0101: 1, H0457: 1, H0051: 1, L0768: 1, L0803: 1, L0650: 1, L0806: 1, L0518: 1, H0689: 1, H0648: 1, L0756: 1 and L0759: 1.			
HCOOW23	1021759	570	54 - 800	2745	Thr-10 to Arg-16, Arg-21 to Ser-31, Asn-97 to Arg-102, Ile-170 to Ser-175, Thr-207 to Gly-213.				
HACMT02	1021794	571	272 - 3	2746		H0685: 2			

HISDS67	1022018	572	2322 - 1756	2747	Gln-4 to Ala-17, Ala-56 to Gln-61, Cys-166 to Ala-182.	L0754: 8, H0553: 4, L0770: 4, L0794: 4, H0615: 3, L0769: 3, L0803: 3, L0439: 3, L0777: 3, L0752: 3, H0052: 2, L0637: 2, L0768: 2, L0805: 2, L0659: 2, L0666: 2, L0664: 2, H0547: 2, H0593: 2, H0682: 2, H0539: 2, H0521: 2, L0744: 2, L0757: 2, L0604: 2, L0601: 2, H0624: 1, H0657: 1, H0656: 1, S0212: 1, H0254: 1, H0662: 1, L0005: 1, S0045: 1, H0619: 1, H0550: 1, H0592: 1, H0013: 1, H0036: 1, H0618: 1, H0620: 1, H0023: 1, S0051: 1, H0188: 1, H0028: 1, H0428: 1, T0006: 1, H0213: 1, L0455: 1, H0135: 1, H0038: 1, H0616: 1, H0264: 1, H0413: 1, T0069: 1, S0038: 1, H0100: 1, L0763: 1, L0638: 1, L5565: 1,		

						L0761: 1, L0667: 1, L0804: 1, L0650: 1, L0375: 1, L0776: 1, L0807: 1, L0809: 1, L0519: 1, L0663: 1, L0665: 1, H0520: 1, S0126: 1, H0684: 1, H0435: 1, H0659: 1, H0648: 1, S0190: 1, S0404: 1, H0555: 1, L0741: 1, L0751: 1, L0747: 1, L0753: 1 and L0758: 1.		
HOVAA59	1022037	573	2892 - 1309	2748	Pro-1 to Gly-10, Pro-20 to Gly-34, Pro-36 to Gly-45, Ala-51 to Pro-65, Val-78 to Arg-83, Gln-89 to Gly-98, Lys-114 to Val-119, Arg-158 to Ala-164, Thr-306 to Lys-313.	L0601-4, H0617: 3, L0794: 2, L0629: 2, L0657: 2, L0604: 2, T0049: 1, S0218: 1, L0785: 1, S0442: 1, H0733: 1, H0411: 1, T0109: 1, H0428: 1, H0673: 1, S0366: 1, H0040: 1, H0616: 1, L0763: 1, L0375: 1, L0805: 1, L0658: 1, H0593: 1, H0658: 1, H0672: 1, L0743: 1, L0744: 1, L0748: 1, L0740: 1, L0751: 1, L0754: 1, L0750: 1, L0596: 1, L0485: 1 and		

						H0721: 1.		
HOCPL72	1022059	574	2 - 1099	2749	Pro-1 to Glu-14, Pro-26 to Val-33, Tyr-167 to Tyr-174, Pro-188 to Ser-196.	L0766: 3, H0457: 2, H0706: 1, H0015: 1, H0373: 1, H0266: 1, H0553: 1, H0551: 1, H0509: 1, L0761: 1, L0665: 1, H0144: 1, H0689: 1, H0660: 1 and S0328: 1.		
HCOMM05	1022082	575	1 - 840	2750	Glu-19 to Asp-38, Pro-46 to Thr-55, Leu-96 to Gly-104, Ala-114 to Ala-119, Gln-125 to Trp-131, Pro-133 to Pro-141, Phe-144 to Glu-150, Glu-180 to Val-185, Glu-192 to Glu-197, Glu-254 to Leu-262, Met-272 to Ser-280.	AR089: 1, AR096: 1, AR061: 1, AR060: 1, AR033: 1, AR055: 0, AR052: 0, AR039: 0, AR104: 0 L0508: 9, H0620: 7, L0774: 6, L0509: 6, S0408: 5, L0750: 5, L0601: 5, L0515: 4, L0512: 4, H0594: 3, L0805: 3, L0514: 3, L0511: 3, H0670: 3, L0755: 3, H0556: 2, H0686: 2, S0358: 2, S0444: 2, H0199: 2, H0181: 2, H0617: 2, H0494: 2, L0505: 2, L0502: 2, L0769: 2, L0803: 2, L0809: 2, L0528: 2, L0663: 2, L0752: 2, H0657: 1,		

					H0255: 1, S0420: 1, S0442: 1, S0360: 1, H0549: 1, H0586: 1, L0021: 1, H0036: 1, H0052: 1, H0597: 1, H0086: 1, H0012: 1, S0336: 1, H0606: 1, H0124: 1, L0504: 1, L0763: 1, L0627: 1, L0373: 1, L0764: 1, L0499: 1, L0498: 1, L0497: 1, L0376: 1, L0653: 1, L0493: 1, L0510: 1, L0513: 1, L0384: 1, L0789: 1, L0666: 1, L0665: 1, H0689: 1, H0660: 1, H0672: 1, S0328: 1, S0330: 1, S0454: 1, S0406: 1, S0432: 1, L0754: 1, L0747: 1, L0749: 1, L0779: 1, L0777: 1, L0731: 1, L0759: 1, S0434: 1 and H0506: 1.		
HLYDC86	1022162	576	3 - 947	2751	Pro-39 to Arg-45, Arg-52 to Ile-60, Glu-87 to Cys-96, Thr-108 to Ser-114, Thr-121 to Glu-128,	L0794: 4, S0002: 2, L0803: 2, H0445: 2, H0250: 1, H0412: 1, S0344: 1, L0761: 1, L0809: 1, H0435: 1 and	14q24.3	104311, 109150, 182600, 245200, 601208	

					Met-133 to Thr-141, Asn-154 to Ala-169, Glu-174 to His-179, Gln-205 to Gln-213, Pro-222 to Phe-231, Ser-259 to Phe-265, Leu-282 to Ser-288.	L0747: 1.			
HTLEP21	1022167	577	92 - 457	2752			H0253: 1 and L0767: 1.		
HVCAS77	1022313	578	170 - 1072	2753	Glu-7 to Leu-18, Glu-75 to Arg-80, Gln-152 to Gln-157, Gln-202 to Lys-219, Ser-259 to Gly-266, Glu-277 to His-287.	L0766: 7, L0769: 6, S0418: 4, L0747: 4, S0424: 3, H0341: 2, S0278: 2, L0471: 2, H0083: 2, H0538: 2, L0770: 2, L0771: 2, L0775: 2, L0809: 2, H0520: 2, L0744: 2, L0754: 2, L0777: 2, L0759: 2, L0597: 2, S0026: 2, H0667: 2, H0171: 1, H0686: 1, S0212: 1, H0125: 1, S0420: 1, S0358: 1, S0376: 1, S0360: 1, S0046: 1, H0393: 1, H0333: 1, H0575: 1, H0581: 1, H0309: 1, H0046: 1, H0567: 1, H0188: 1, H0428: 1, H0553: 1, H0135: 1,			

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HOGCA79	1022627	579	210 - 635	2754	Thr-69 to Phe-77, Asp-80 to Thr-85.	H0547: 5, L0747: 4, L0766: 3, H0328: 2, H0551: 2, L0774: 2, H0435: 2, H0659: 2, H0436: 2, L0740: 2, L0754: 2, L0759: 2, L0596: 2, H0657: 1, H0341: 1, S0418: 1, S0360: 1, S0007: 1, H0229: 1, H0486: 1, H0013: 1, H0156: 1, H0037: 1, L0055: 1, L0455: 1, H0163: 1, H0616: 1, L0060: 1, H0560: 1, H0529: 1, L0763: 1, L0770: 1, L0764: 1, L0767: 1,	

						L0768: 1, L0775: 1, L0806: 1, L0776: 1, L0659: 1, L0783: 1, L0663: 1, L0664: 1, H0658: 1, H0670: 1, S0380: 1, H0522: 1, H0134: 1, S0392: 1, H0345: 1, L0745: 1, L0756: 1, L0777: 1, L0780: 1, L0731: 1 and H0445: 1.		
HSKJP93	1022663	580	2 - 247	2755	Ser-3 to Gln-9, Thr-25 to Lys-40.	L0777: 9, H0622: 3, L0771: 3, L0747: 3, L0752: 3, H0657: 2, L0763: 2, L0517: 2, L0666: 2, L0748: 2, H0050: 1, H0188: 1, H0687: 1, H0428: 1, H0039: 1, H0031: 1, H0032: 1, H0674: 1, S0036: 1, H0652: 1, L0369: 1, L0520: 1, L0769: 1, L0765: 1, L0773: 1, L0662: 1, L0794: 1, L0803: 1, L0804: 1, L0775: 1, L0651: 1, L0655: 1, L0659: 1, L0782: 1, L0789: 1, L0665: 1, L0438: 1,		

						H0670: 1, H0660: 1, S0406: 1, S3014: 1, L0756: 1, L0758: 1, L0759: 1, L0595: 1, S0011: 1 and H0712: 1.		
HAZAA64	1022719	581	106 - 705	2756	Asn-58 to Thr-64, Ile-72 to Ser-78, Gly-119 to Lys-128, Thr-185 to Leu-200.	H0695: 414, H0580: 44, L0777: 6, L0731: 6, H0052: 5, L0766: 5, L0747: 5, H0617: 4, H0494: 4, S0045: 3, H0083: 3, H0181: 3, H0038: 3, L0637: 3, L0779: 3, L0758: 3, H0484: 2, H0599: 2, S0049: 2, H0428: 2, L0774: 2, L0775: 2, L0518: 2, L0439: 2, L0750: 2, L0596: 2, L0588: 2, L0599: 2, L0601: 2, H0265: 1, H0556: 1, T0002: 1, S0040: 1, H0294: 1, H0341: 1, H0254: 1, H0255: 1, S0420: 1, S0444: 1, S0360: 1, H0208: 1, H0492: 1, L0623: 1, H0013: 1, S0280: 1, H0156: 1, L0021: 1, S0010: 1, H0194: 1, H0046: 1,		

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HSEBD72	1022904	582	140 - 430	2757	Thr-11 to Arg-16, Asn-78 to Asp-84.	S0406: 9, L0754: 9, L0747: 9, L0752: 9, H0556: 7, L0742: 7, L0758: 7, S0410: 6, L0779: 6, H0658: 6, H0656: 5, S0444: 5, S0360: 5, H0660: 5, H0657: 4, H0255: 4, H0545: 4, H0012: 4, H0620: 4, H0708: 4,	14q24.1	182600

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H0663: 1, H0402: 1,
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S0358: 1, S0376: 1,
H0722: 1, S0468: 1,
S0007: 1, S0045: 1,
S0278: 1, S0222: 1,
H0370: 1, H0613: 1,
H0600: 1, T0039: 1,
T0040: 1, T0112: 1,
H0013: 1, H0253: 1,
H0318: 1, H0235: 1,
H0327: 1, H0530: 1,
H0081: 1, L0471: 1,
H0197: 1, H0246: 1,
S0050: 1, H0373: 1,
H0275: 1, H0083: 1,
H0266: 1, T0006: 1,
H0033: 1, H0604: 1,
H0553: 1, H0617: 1,
H0376: 1, S0036: 1,
H0135: 1, H0090: 1,
H0038: 1, H0634: 1,
H0087: 1, H0059: 1,
H0100: 1, H0494: 1,
S0464: 1, S0142: 1,
S0210: 1, L0762: 1,
L0761: 1, L0764: 1,
L0771: 1, L0773: 1,

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HDPYE27	1022911	583	380 - 1066	2758	Trp-1 to Ser-8, His-11 to Asn-16, Gln-19 to Pro-25, Gly-38 to Gly-44, Leu-54 to Arg-62, Ser-70 to Asp-78, Gln-83 to Ser-88, Thr-99 to Asn-105, Ser-123 to Val-135, Pro-143 to Arg-169, His-194 to Tyr-206.	AR096: 1, AR104: 1, AR052: 0, AR060: 0, AR089: 0, AR039: 0, AR061: 0, AR055: 0, AR033: 0 L0740: 18, H0521: 15, S0003: 14, L0777: 13, L0754: 12, L0756: 12, H0710: 11, L0747: 10, L0766: 9, L0438: 9, L0750: 7, L0752: 7, H0622: 6, H0522: 6, L0439: 6, L0757: 6, H0156: 5, L0775: 5, S0136: 5, L0731: 5,	9q13-q21	190100, 200150, 229300, 229300, 600429, 600884, 600974, 600998, 602014

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						H0591: 1, H0040: 1, T0067: 1, H0379: 1, H0264: 1, H0488: 1, T0069: 1, T0004: 1, S0038: 1, H0641: 1, H0646: 1, S0144: 1, H0538: 1, S0210: 1, S0422: 1, S0002: 1, S0426: 1, UNKWN: 1, H0529: 1, L0763: 1, L0371: 1, L0637: 1, L0761: 1, L0630: 1, L0372: 1, L0646: 1, L0771: 1, L0773: 1, L0364: 1, L0803: 1, L0651: 1, L0806: 1, L0655: 1, L0661: 1, L0657: 1, L0526: 1, L0809: 1, L0544: 1, L0663: 1, S0148: 1, S0310: 1, L0352: 1, H0593: 1, S0126: 1, H0435: 1, H0670: 1, H0648: 1, H0539: 1, L0602: 1, H0696: 1, S0044: 1, H0555: 1, H0478: 1, L0743: 1, L0751: 1, L0745: 1, L0755: 1, H0445: 1, S0308: 1, S0394: 1,

						L0480: 1, L0362: 1, S0106: 1, S0192: 1, S0242: 1, H0542: 1, H0423: 1, S0424: 1 and S0446: 1;			
HCRQL51	1022997	584	47 - 1030	2759	Ser-35 to Gly-40, Ser-103 to His-109, Tyr-151 to Gly-159, Pro-216 to Glu-224, Asn-249 to Trp-258, Pro-278 to Glu-284.	H0013: 10, H0644: 6, H0144: 6, H0615: 5, L0748: 4, L0777: 4, H0393: 3, T0114: 3, H0012: 3, H0024: 3, H0529: 3, L0438: 3, H0547: 3, L0439: 3, H0624: 2, H0170: 2, H0341: 2, L0005: 2, H0370: 2, H0050: 2, L0471: 2, H0031: 2, H0038: 2, L0750: 2, L0758: 2, H0595: 2, L0592: 2, H0171: 1, S0212: 1, S0418: 1, S0356: 1, H0619: 1, L0717: 1, S0222: 1, H0427: 1, H0036: 1, H0046: 1, H0620: 1, H0594: 1, H0266: 1, H0328: 1, L0142: 1, H0591: 1, H0616: 1, H0059: 1, H0625: 1, S0210: 1, L0768: 1, H0520: 1, H0519: 1,	7q32	180105, 190900, 222800, 246900

							H0672: 1, S0152: 1, H0555: 1, L0742: 1, L0779: 1, H0445: 1, S0194: 1, H0422: 1 and L0698: 1.		
HDTCC55	1023046	585	195 - 533	2760	Ser-26 to Ser-32.		H0486: 1 and L0766: 1.		
HOOJO91	1023049	586	1307 - 525	2761	Ala-2 to Thr-9.				
HCE4K28	1023227	587	238 - 840	2762	Phe-15 to Gly-29.		L0750: 6, L0766: 5, L0809: 4, L0747: 4, L0758: 4, S0354: 3, H0617: 3, L0775: 3, L0783: 3, H0690: 3, S0406: 3, L0753: 3, L0601: 3, H0255: 2, S0007: 2, H0618: 2, H0253: 2, H0309: 2, H0150: 2, H0428: 2, H0553: 2, H0494: 2, L0770: 2, L0771: 2, L0803: 2, L0774: 2, L0666: 2, S0330: 2, H0539: 2, H0134: 2, L0777: 2, L0592: 2, H0624: 1, H0686: 1, H0664: 1, S0408: 1, H0489: 1, H0580: 1, H0351: 1, S0278: 1, H0333: 1, H0559: 1, S0474: 1, H0052: 1,		

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HPDVY62	1023264	588	2 - 1126	2763		H0624: 2, H0586: 2, H0031: 2, L0748: 2, L0439: 2, H0171: 1, S0356: 1, S0376: 1, H0052: 1, H0251: 1, H0050: 1, H0014: 1, H0051: 1, H0647: 1, L0789: 1, H0144: 1, H0658: 1, H0521: 1, L0754: 1, L0752: 1, S0436: 1, S0276: 1 and S0424: 1.	10q26.13-q26.3	263700

HLHDK42	1023339	589	1 - 351	2764	Asn-19 to Asp-29, Leu-34 to Gly-41.	H0024: 2 and H0596: 1.		
HLDRQ55	1023375	590	2 - 421	2765		H0081: 1, H0510: 1 and H0144: 1.		
HVVBI06	1023414	591	1449 - 646	2766		H0543: 7, H0341: 6, S0003: 5, L0740: 5, L0747: 5, H0619: 4, H0575: 4, H0318: 4, S0206: 4, L0750: 4, L0588: 4, H0542: 4, H0265: 3, S0358: 3, S0046: 3, H0486: 3, H0069: 3, S0022: 3, L0666: 3, H0556: 2, S0116: 2, S0212: 2, S0418: 2, S0376: 2, S0360: 2, S0132: 2, H0497: 2, L0471: 2, H0090: 2, H0551: 2, H0494: 2, H0633: 2, S0144: 2, H0529: 2, L0662: 2, L0655: 2, L0664: 2, H0144: 2, H0547: 2, S0152: 2, L0757: 2, H0445: 2, H0624: 1, S0224: 1, S0114: 1, S0134: 1, S0218: 1, H0650: 1, H0657: 1, H0656: 1, H0663: 1, H0662: 1,	X	

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HOCME51	1023422	592	2 - 319	2767	Glu-36 to Thr-44, His-72 to Tyr-78, Glu-82 to Tyr-88.	H0623: 4, H0046: 3, H0581: 2, H0023: 2, H0083: 2, L0791: 2, L0438: 2, H0547: 2, H0539: 2, L0750: 2, H0583: 1, H0341: 1, H0125: 1, S0420: 1, S0356: 1, H0208: 1, S0045: 1, H0261: 1, S0222: 1, H0592: 1, H0635: 1, H0318: 1, H0052: 1, L0163: 1, H0266: 1, H0494: 1, L0475: 1, H0538: 1, L3904: 1, S0374: 1, H0660: 1, H0522: 1, H0134: 1, S0028: 1, S0206: 1, L0439: 1, L0753: 1, L0595: 1.		

						H0542: 1, H0543: 1 and H0506: 1.		
HPDOP74	1023531	593	1659 - 307	2768	Leu-23 to Asp-31, Gln-46 to Ile-69, Ile-120 to Lys-128, Pro-148 to Asp-154, Pro-216 to Val-223, Asn-261 to Ala-273, Gly-290 to Gln-299, Lys-305 to Tyr-312, Glu-341 to Ala-346, Pro-394 to Met-404, Ser-418 to Ser-440, Glu-442 to Gly-450.	L0591: 11, H0069: 9, H0494: 9, L0588: 7, H0543: 7, H0657: 6, H0318: 6, T0042: 6, H0547: 6, H0556: 5, L0665: 5, L0751: 5, H0423: 5, T0002: 4, H0050: 4, L0747: 4, L0779: 4, H0341: 3, H0638: 3, H0580: 3, H0393: 3, H0052: 3, H0266: 3, H0617: 3, H0616: 3, H0413: 3, H0521: 3, L0754: 3, L0596: 3, L0362: 3, H0422: 3, H0265: 2, L0470: 2, H0305: 2, H0637: 2, S0045: 2, H0370: 2, T0109: 2, H0156: 2, H0599: 2, H0575: 2, H0036: 2, H0618: 2, H0253: 2, L0483: 2, H0181: 2, H0038: 2, H0561: 2, H0646: 2, L0770: 2, L0769: 2, L0646: 2, L0521: 2, L0662: 2, L0768: 2, L0803: 2,		

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H0412: 1, H0059: 1,
H0102: 1, S0039: 1,
T0041: 1, H0560: 1,
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L0771: 1, L0648: 1,
L0363: 1, L0794: 1,
L0386: 1, L0375: 1,
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L0805: 1, L0654: 1,
L0606: 1, L0659: 1,
L0384: 1, L0382: 1,
L0809: 1, L0788: 1,
L0666: 1, L0663: 1,
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S0374: 1, H0593: 1,
S0122: 1, H0690: 1,
H0435: 1, H0658: 1,
H0660: 1, H0672: 1,
S0330: 1, H0539: 1,
S0152: 1, H0522: 1,
H0436: 1, H0626: 1,
S3014: 1, L0749: 1,
L0756: 1, L0758: 1,
S0031: 1, S0260: 1,
H0444: 1, H0445: 1,

						H0707: 1, L0592: 1, H0653: 1, H0665: 1, S0276: 1 and S0424: 1.		
HMSOH12	1023545	594	1 - 1077	2769	Lys-25 to Asp-31, His-46 to Glu-54, Ser-80 to Lys-86, Val-109 to Lys-115, Arg-143 to Met-149, Lys-193 to Arg-198, His-253 to Gly-259.	L0731: 12, L0439: 10, L0747: 8, L0770: 7, L0662: 6, L0775: 5, L0663: 5, H0423: 5, L0769: 4, L0752: 4, H0422: 4, H0657: 3, H0656: 3, S0356: 3, S0360: 3, S0222: 3, H0318: 3, H0083: 3, L0764: 3, L0768: 3, L0766: 3, L0809: 3, L0665: 3, H0547: 3, H0682: 3, H0659: 3, H0672: 3, L0750: 3, L0588: 3, L0591: 3, S0007: 2, H0581: 2, H0644: 2, H0412: 2, S0002: 2, S0426: 2, L0648: 2, L0364: 2, L0774: 2, L0375: 2, L0655: 2, L0666: 2, L0664: 2, H0520: 2, H0435: 2, H0666: 2, H0651: 2, H0521: 2, S0027: 2, L0740: 2, L0755: 2, L0757: 2, L0758: 2, H0542: 2,		

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						H0436: 1, L0748: 1, L0756: 1, L0779: 1, H0595: 1, L0608: 1, L0593: 1, L0595: 1, L0362: 1, S0026: 1, H0136: 1 and S0192: 1.			
HOPJG50	1023584	595	866 - 507	2770	Thr-18 to Asn-31, Lys-39 to Ser-47, Ser-71 to His-76, Gln-113 to Lys-120.	L0748: 2, L0749: 2, L0731: 2, H0624: 1, H0486: 1, H0309: 1, L0769: 1, L0653: 1, H0684: 1 and L0779: 1.	4		
HDUAB04	1023585	596	3 - 371	2771	Thr-21 to Asn-34, Lys-42 to Ser-50, Ser-74 to His-79, Gln-116 to Lys-123.		4		
HVCAA38	1023632	597	27 - 818	2772	Asn-12 to Thr-17, Gln-60 to Arg-66, Ser-71 to Asn-83, Thr-89 to Ala-96, Gln-120 to Thr-126, Glu-149 to Lys-154, Thr-213 to Ser-219, Arg-231 to Tyr-244, Trp-252 to Trp-259.		22q12.1	123620, 188826, 600850, 601669	
HIBCN87	1023837	598	1753 - 776	2773	Arg-1 to Cys-7, Val-96 to Arg-105, Glu-130 to Leu-135, Pro-207 to Arg-225, Asp-231 to Cys-251, Pro-259 to Ile-264.	L0439: 8, L0794: 5, L0758: 5, L0805: 4, L0809: 4, S0358: 3, L0769: 3, L0776: 3, L0665: 3, L0438: 3, H0658: 3, L0717: 2,	22q13.1	103050, 103050, 124030, 124030, 138981, 182380,	

				Pro-294 to Pro-304, Glu-310 to Ile-316, Ser-320 to Pro-326.	H0052: 2, H0059: 2, L0662: 2, L0803: 2, L0789: 2, H0690: 2, L0748: 2, H0556: 1, S0114: 1, H0583: 1, S0376: 1, H0600: 1, H0618: 1, H0253: 1, T0010: 1, H0252: 1, H0617: 1, H0038: 1, H0100: 1, L0520: 1, L0761: 1, L0768: 1, L0766: 1, L0783: 1, L0666: 1, L0663: 1, H0547: 1, H0593: 1, H0683: 1, H0670: 1, H0648: 1, H0436: 1, L0751: 1, L0755: 1, H0445: 1 and H0352: 1.		188826, 190040, 190040, 190040
HPCOM04	1024000	599	36 - 818	2774	Arg-1 to Gln-7, Pro-18 to Leu-23, Asp-42 to Ile-47, Gln-56 to Glu-63, Glu-93 to Ile-105, Glu-132 to Leu-137, Ile-202 to Leu-208, Asn-220 to Lys-226, Asn-254 to Phe-259.	L0438: 3, L0764: 2, H0659: 2, L0754: 2, H0589: 1, H0580: 1, H0013: 1, H0622: 1, H0617: 1, T0067: 1, L0767: 1, L0775: 1, L0655: 1, L0659: 1, L0666: 1, H0648: 1, S0330: 1, H0710: 1, L0748: 1, L0740: 1, L0747: 1, L0753: 1, L0480: 1 and L0599: 1.	22q11.1	231950, 600850

HUCPU06	1024069	600	609 - 313	2775			L0766: 5, L0770: 2, L0803: 2, L0666: 2, L0747: 2, L0603: 2, H0686: 1, S0420: 1, L0662: 1, L0794: 1, L0783: 1, L0383: 1, L0809: 1, L0665: 1, H0684: 1, H0658: 1 and L0750: 1.	
HPAME01	1024332	601	564 - 1061	2776	Cys-1 to Gln-6, Val-19 to Ala-24.	L0439: 12, L0743: 5, L0747: 5, L0749: 5, L0769: 4, L0794: 4, L0731: 4, L0803: 3, L0774: 3, L0809: 3, H0254: 2, H0393: 2, H0318: 2, H0052: 2, H0188: 2, H0040: 2, L0659: 2, L0790: 2, L0438: 2, L0753: 2, H0423: 2, H0265: 1, H0685: 1, H0341: 1, H0402: 1, S0360: 1, H0580: 1, L0717: 1, H0550: 1, H0370: 1, H0333: 1, H0643: 1, H0486: 1, H0013: 1, H0250: 1, H0599: 1, H0042: 1, H0253: 1, H0327: 1, H0046: 1, H0086: 1, H0012: 1,		

					S0051: 1, H0399: 1, H0687: 1, H0286: 1, H0617: 1, H0032: 1, H0673: 1, S0036: 1, H0135: 1, H0591: 1, H0087: 1, H0100: 1, T0041: 1, H0494: 1, H0561: 1, H0130: 1, L0638: 1, L0764: 1, L0662: 1, L0804: 1, L0651: 1, L0657: 1, L0783: 1, L0666: 1, L0664: 1, L0665: 1, L0352: 1, H0547: 1, H0519: 1, H0682: 1, H0684: 1, H0521: 1, S0044: 1, H0631: 1, S0206: 1, L0754: 1, L0779: 1, L0780: 1, L0597: 1, H0543: 1, H0422: 1 and H0506: 1.		
HTTJS76	1024472	602	3 - 392	2777	Pro-1 to His-22, Lys-45 to Arg-59, Asp-77 to Pro-88, Ser-109 to Glu-119.	L0740: 15, L0754: 7, L0747: 6, L0777: 6, L0662: 5, H0539: 5, L0439: 5, L0758: 5, L0438: 4, L0748: 4, S0444: 3, H0031: 3, H0553: 3, L0770: 3, L0774: 3, L0749: 3, L0756: 3, L0755: 3,		

L0757: 3, S0300: 2, H0427: 2, H0046: 2, H0123: 2, H0264: 2, H0413: 2, L0646: 2, L0794: 2, L0663: 2, H0547: 2, H0672: 2, L0744: 2, L0779: 2, L0731: 2, L0362: 2, S0040: 1, H0713: 1, S0400: 1, S0354: 1, S0358: 1, S0376: 1, S0408: 1, H0722: 1, S0045: 1, S0476: 1, H0393: 1, S0222: 1, H0643: 1, S0280: 1, H0156: 1, L0105: 1, T0048: 1, H0230: 1, H0052: 1, H0251: 1, H0545: 1, L0157: 1, H0014: 1, S6028: 1, S0036: 1, H0634: 1, H0616: 1, H0551: 1, T0067: 1, L0598: 1, L0637: 1, L0764: 1, L0773: 1, L0521: 1, L0533: 1, L0804: 1, L0806: 1, L0776: 1, L0657: 1, L0634: 1, L0659: 1, L0783: 1, L0809: 1, L0666: 1,						

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HCOR157	1024556	603	230 - 1237	2778	Gly-29 to Glu-35, Met-57 to Lys-64, Ser-104 to Ser-109, Tyr-122 to Val-128, Pro-144 to Asp-153, Pro-244 to Gly-253, Arg-323 to Pro-330.	H0553: 9, H0624: 4, L0471: 4, H0619: 3, H0494: 3, H0520: 3, H0547: 3, S0126: 3, L0755: 3, H0013: 2, H0031: 2, H0644: 2, H0040: 2, L0659: 2, L0666: 2, L0665: 2, H0144: 2, H0519: 2, H0670: 2, L0780: 2, L0361: 2, S0026: 2, H0171: 1, H0661: 1, S0360: 1, H0244: 1, H0156: 1, L0021: 1, S0010: 1, H0052: 1, H0046: 1, L0163: 1, S0214: 1, L0142: 1, H0032: 1, H0551: 1,	8p22	148370, 238600, 238600, 238600, 238600, 600143, 601385, 602629

						H0059: 1, L0598: 1, L0520: 1, L0769: 1, L0637: 1, L0768: 1, L0803: 1, L0804: 1, L0653: 1, L0657: 1, L0383: 1, H0690: 1, H0435: 1, H0658: 1, S0330: 1, H0518: 1, S0152: 1, S0044: 1, S0027: 1, L0754: 1, L0747: 1, L0750: 1, L0731: 1, L0608: 1, L0593: 1, L0594: 1 and H0667: 1.		
HNORG50	1024624	604	2 - 1120	2779	Ile-1 to Gln-18, Lys-69 to Gln-74, Ala-81 to Arg-86, Lys-102 to Lys-107, Glu-146 to Val-153, His-156 to Ile-161, Glu-195 to Ser-207, Asp-306 to Leu-316, Ala-318 to Gly-333, Gln-346 to Asp-352.	L0601: 25, S0474: 22, H0521: 17, S0278: 16, H0542: 14, H0543: 13, L0596: 11, H0580: 10, H0494: 10, H0575: 8, L0659: 8, H0581: 7, H0559: 6, H0031: 6, L0655: 6, S3014: 6, S0027: 6, L0591: 6, H0657: 5, S0358: 5, S0360: 5, H0457: 5, H0529: 5, L0666: 5, S0152: 5, L0748: 5, L0731: 5, H0583: 4, H0650: 4, H0587: 4, H0318: 4, H0040: 4,		

S0144: 4, S0142: 4, L0646: 4, L0657: 4, S0380: 4, H0522: 4, L0439: 4, H0445: 4, H0423: 4, H0295: 3, H0656: 3, H0638: 3, S0046: 3, H0052: 3, H0083: 3, H0266: 3, H0553: 3, H0644: 3, H0551: 3, H0264: 3, H0059: 3, S0440: 3, S0002: 3, L0761: 3, L0649: 3, L0664: 3, S0126: 3, H0689: 3, H0672: 3, L0755: 3, H0422: 3, L0600: 3, H0624: 2, H0265: 2, H0556: 2, S0114: 2, S0134: 2, H0341: 2, H0402: 2, H0637: 2, S0045: 2, H0550: 2, H0392: 2, H0586: 2, H0250: 2, H0545: 2, H0050: 2, H0424: 2, H0413: 2, H0561: 2, H0641: 2, S0344: 2, S0426: 2, L0369: 2, L0770: 2, L0769: 2, L0662: 2, L0766: 2, L0375: 2, L0378: 2,						

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					T0042: 1, H0280: 1, H0560: 1, H0509: 1, H0646: 1, H0538: 1, L0762: 1, L0638: 1, L0637: 1, L0372: 1, L0642: 1, L0643: 1, L0773: 1, L0648: 1, L0363: 1, L0794: 1, L0381: 1, L0804: 1, L0774: 1, L0775: 1, L0806: 1, L0805: 1, L0776: 1, L0383: 1, L0663: 1, H0144: 1, H0697: 1, S0374: 1, H0691: 1, L0438: 1, H0519: 1, H0690: 1, H0682: 1, H0684: 1, H0435: 1, H0658: 1, H0648: 1, S0328: 1, H0539: 1, H0518: 1, S0044: 1, H0134: 1, H0214: 1, H0555: 1, H0627: 1, S0432: 1, S3012: 1, S0028: 1, S0032: 1, L0743: 1, L0749: 1, L0779: 1, L0777: 1, L0757: 1, L0597: 1, L0599: 1, L0608: 1, H0665: 1, S0194: 1 and S0424: 1.		

HWLVR07	1024915	605	687 - 328	2780	Lys-28 to Thr-33, Asn-35 to Lys-53, Ala-98 to Glu-104.			
HOPKF60	1025047	606	1132 - 197	2781	Glu-41 to Lys-46, Ser-49 to Glu-55, Asp-109 to Arg-114, His-133 to Asp-138, Arg-170 to Glu-181, Ala-246 to Pro-254, Lys-282 to Ser-287, Ala-296 to Asp-302.	S0358: 10, H0584: 9, S0420: 8, L0439: 8, H0543: 8, H0250: 7, H0618: 7, L0601: 7, S0046: 6, H0424: 6, H0251: 5, H0046: 5, L0438: 5, H0435: 5, H0136: 5, S0045: 4, H0599: 4, H0494: 4, H0561: 4, H0547: 4, H0539: 4, L0748: 4, L0751: 4, S0212: 3, S0007: 3, H0486: 3, H0706: 3, H0253: 3, H0545: 3, S0036: 3, H0040: 3, H0551: 3, H0264: 3, H0132: 3, H0529: 3, H0144: 3, H0520: 3, H0448: 3, H0445: 3, H0665: 3, H0423: 3, H0677: 3, H0624: 2, S0040: 2, H0341: 2, H0484: 2, H0125: 2, S0360: 2, S0222: 2, H0586: 2, H0497: 2, H0575: 2, H0318: 2, H0052: 2.		

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H0041: 1, H0123: 1, H0050: 1, H0012: 1, H0620: 1, H0014: 1, L0163: 1, H0051: 1, S0051: 1, T0010: 1, H0083: 1, H0266: 1, H0179: 1, H0271: 1, H0292: 1, H0286: 1, S0022: 1, H0039: 1, H0553: 1, H0628: 1, H0617: 1, H0383: 1, H0598: 1, H0135: 1, H0087: 1, H0380: 1, H0412: 1, H0413: 1, H0056: 1, H0100: 1, T0041: 1, S0015: 1, H0625: 1, S0464: 1, S0294: 1, S0438: 1, H0509: 1, H0130: 1, H0646: 1, H0652: 1, S0344: 1, S0374: 1, L0565: 1, T0068: 1, H0693: 1, H0519: 1, H0593: 1, H0684: 1, H0658: 1, H0670: 1, H0660: 1, H0518: 1, S0332: 1, H0522: 1, H0694: 1, H0555: 1, H0479: 1, H0447: 1, H0626: 1, S3014: 1,							

						S0028: 1, L0743: 1, L0744: 1, L0754: 1, L0745: 1, L0747: 1, L0755: 1, L0757: 1, L0759: 1, H0595: 1, L0596: 1, L0592: 1, L0608: 1, L0593: 1, H0668: 1, H0653: 1, H0542: 1, H0506: 1 and H0352: 1.		
HBDAD74	1025102	607	2 - 406	2782	Gly-22 to Glu-28, Glu-42 to Arg-60, Leu-67 to Glu-89, Asp-106 to Thr-118, Gln-120 to Ile-130.	L0766: 7, L0803: 4, L0779: 3, H0421: 2, H0615: 2, L0382: 2, L0748: 2, L0777: 2, L0002: 1, S0116: 1, H0638: 1, S0358: 1, H0393: 1, S6022: 1, H0431: 1, H0586: 1, H0486: 1, H0427: 1, S0474: 1, H0327: 1, H0057: 1, H0428: 1, S0036: 1, L0351: 1, H0538: 1, L0638: 1, L0667: 1, L0653: 1, L0659: 1, L0809: 1, H0693: 1, L0438: 1, H0547: 1, S0146: 1, H0626: 1, L0746: 1, L0756: 1, L0752: 1, L0731: 1, L0758: 1,		

						S0308: 1, H0595: 1, L0596: 1 and L0599: 1.			
HPCTY12	1025231	608	68 - 1225	2783	Ala-1 to Ser-8.	L0805: 3, H0657: 2, L0769: 2, L0766: 2, L0659: 2, L0809: 2, L0789: 2, L0665: 2, L0565: 2, H0659: 2, L0749: 2, L0777: 2, L0755: 2, L0596: 2, H0685: 1, H0583: 1, H0650: 1, H0656: 1, H0663: 1, S0420: 1, S0356: 1, H0619: 1, L0717: 1, H0586: 1, H0251: 1, H0050: 1, H0622: 1, H0135: 1, H0038: 1, H0551: 1, H0272: 1, H0561: 1, H0509: 1, L0637: 1, L0646: 1, L0794: 1, L0387: 1, L0776: 1, L0655: 1, L0657: 1, L0636: 1, L0666: 1, L0664: 1, H0520: 1, H0547: 1, H0519: 1, H0672: 1, L0593: 1, H0667: 1 and H0352: 1.	12q12-q13	107777, 123940, 139350, 139350, 148040, 148041, 148043, 148070, 231550, 600194, 600231, 600536, 600808, 600956, 601284, 601769, 601769, 601928, 602116, 602153
HFASF12	1025327	609	103 - 201	2784	Pro-19 to Cys-28.	L0747: 4, L0757: 4, L0759: 4, L0770: 3, L0769: 2, L0659: 2,			

						H0691: 2, L0750: 2, S0116: 1, H0638: 1, S0300: 1, H05871, L0021: 1, S0474: 1, H0529: 1, L0762: 1, L0764: 1, L0768: 1, L0775: 1, L0776: 1, L0634: 1, L0783: 1, L0663: 1, H0689: 1, H0521: 1, S0027: 1, L0748: 1, L0777: 1, L0752: 1, L0755: 1, L0731: 1, H0445: 1 and H0423: 1.	
HLJBM71	1025359	610	147 - 617	2785	Ser-26 to Ile-35.	H0556: 4, H0253: 4, H0620: 4, L0731: 3, S0212: 2, H0052: 2, H0124: 2, L0766: 2, L0809: 2, L0565: 2, S0126: 2, S0328: 2, L0603: 2, H0739: 1, S0114: 1, S0218: 1, H0657: 1, S0116: 1, H0638: 1, S0420: 1, S0045: 1, S0046: 1, S0278: 1, H0549: 1, H0550: 1, H0250: 1, H0156: 1, L0738: 1, H0327: 1, H0544: 1, L0471: 1, H0083: 1,	

						H0355: 1, H0416: 1, H0428: 1, L0483: 1, H0181: 1, H0617: 1, H0032: 1, S0364: 1, H0063: 1, H0087: 1, H0264: 1, H0100: 1, H0494: 1, H0560: 1, L0065: 1, H0132: 1, H0131: 1, S0150: 1, H0647: 1, L0770: 1, L0769: 1, L0772: 1, L0764: 1, L0662: 1, L0387: 1, L0657: 1, L0658: 1, L0541: 1, S0052: 1, H0547: 1, H0539: 1, S0406: 1, H0478: 1, H0727: 1, H0732: 1, S0032: 1, L0439: 1, L0740: 1, L0747: 1, L0779: 1, L0755: 1, L0757: 1, L0758: 1, L0759: 1, S0434: 1, S0436: 1, L0581: 1, L0595: 1, H0665: 1, H0423: 1 and S0446: 1.		
HNOKW27	1025366	611	3 - 701	2786	Phe-9 to Trp-14, Arg-125 to Asp-148, Ser-156 to Asp-163, Pro-206 to His-211.	L0439: 2, H0687: 1, L0761: 1, L0805: 1, L0438: 1 and H0670: 1.		

HPFDG48	1025526	612	461 - 303	2787		AR089: 2, AR039: 2, AR104: 2, AR053: 2, AR096: 2, AR060: 1, AR033: 1, AR061: 1, AR055: 1 L0748: 6, H0169: 1, S0428: 1, S0136: 1, L0754: 1 and L0749: 1.	Xp11.23-p11.22	300008, 300008, 300008, 300008, 300047, 300071, 300110, 300600, 301000, 301000, 301830, 309470, 309500, 309610, 309850, 311050, 312060
HVVBF24	1025712	613	49 - 1296	2788	Ser-1 to Gly-18, Trp-25 to Gly-31, Arg-46 to Ser-52, Ala-103 to Ala-108, Ser-154 to Gly-165, Gln-228 to Pro-236, Ser-284 to Gly-291, Ala-321 to Asp-327, Lys-377 to Asn-394, Asp-406 to Ser-416.	AR089: 13, AR060: 5, AR096: 5, AR104: 5, AR061: 2, AR055: 1 S0152: 12, S0356: 10, H0551: 6, H0423: 6, S0212: 5, H0090: 5, H0667: 5, S0358: 4, H0620: 4, H0622: 4, H0591: 4, L0794: 4, S0380: 4, L0731: 4, L0588: 4, S0242: 4, S0360: 3, S0474: 3, H0581: 3, S0126: 3,		

					H0436: 3, S0028: 3, L0756: 3, H0445: 3, S0192: 3, S0196: 3, H0656: 2, S0116: 2, S0442: 2, S0376: 2, S0046: 2, H0549: 2, H0098: 2, H0014: 2, S0003: 2, H0560: 2, H0641: 2, H0529: 2, L0766: 2, H0520: 2, H0519: 2, H0666: 2, L0602: 2, H0478: 2, L0740: 2, L0751: 2, L0754: 2, S0434: 2, L0595: 2, H0542: 2, H0543: 2, H0624: 1, H0170: 1, S0040: 1, S0402: 1, S0134: 1, H0341: 1, H0661: 1, H0663: 1, H0449: 1, H0638: 1, S0045: 1, S0140: 1, L0717: 1, H0411: 1, S0222: 1, H0497: 1, H0486: 1, T0040: 1, H0244: 1, H0427: 1, H0004: 1, H0596: 1, H0566: 1, L0163: 1, H0051: 1, S0051: 1, T0079: 1, H0375: 1, H0060: 1,		

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HE8UF88	1025745	614	4207 -	2789	Ala-8 to Arg-14,	H0547: 10, H0013: 9,	

	2810		Ile-64 to Thr-69, Val-94 to Asp-101, His-112 to Gln-117, Tyr-139 to Glu-145, Tyr-195 to Cys-208, Gly-216 to Gly-223, Asp-297 to Ser-307, Gly-378 to Leu-383, Ile-391 to Pro-404, Asn-451 to Ser-466.	L0758: 8, L0771: 6, L0747: 6, S0422: 5, L0770: 5, H0341: 4, S0356: 4, H0486: 4, H0251: 4, H0038: 4, H0040: 4, T0041: 4, L0766: 4, S0152: 4, L0439: 4, H0171: 3, S0360: 3, S0046: 3, H0574: 3, H0024: 3, T0042: 3, S0440: 3, H0529: 3, H0670: 3, S0330: 3, H0539: 3, L0754: 3, L0749: 3, L0779: 3, H0624: 2, S0134: 2, H0583: 2, H0657: 2, S0116: 2, S0418: 2, S0354: 2, S0045: 2, H0318: 2, T0110: 2, H0046: 2, H0266: 2, S0003: 2, H0591: 2, H0634: 2, H0412: 2, H0561: 2, L0768: 2, L0806: 2, L0664: 2, H0144: 2, L0565: 2, H0519: 2, H0659: 2, H0672: 2, S0328: 2, S0378: 2, H0521: 2, H0696: 2, H0345: 2, L0741: 2,		

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HOUBC29	1025749	615	1558 - 1259	2790	Leu-11 to Gly-22, Ala-87 to Gly-96.	L0748: 2, L0745: 2, S0040: 1, H0637: 1, H0580: 1, H0553: 1 and L0761: 1.		
HOCPY47	1025965	616	71 - 1606	2791		L0758: 9, S0412: 8, L0749: 6, S0360: 5, H0038: 5, L0662: 5, L0751: 5, S0356: 3, H0618: 3, S0051: 3, H0616: 3, L0666: 3, L0743: 3, L0439: 3, L0731: 3, H0295: 2,		

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HOVKE20	1025990	617	3 - 824	2792	Gln-52 to Thr-58, Pro-105 to Asp-111, Arg-175 to Cys-182, Leu-221 to Val-227, Thr-257 to Gly-264, Ser-266 to Glu-271.	H0618: 12, H0253: 11, L0777: 8, L0755: 8, L0794: 6, L0659: 6, L0758: 6, S0192: 5, L0743: 4, S0418: 3, L0764: 3, S3014: 3, L0744: 3, S0420: 2, S0046: 2, S0132: 2, H0333: 2, H0486: 2, H0599: 2, T0023: 2, L0774: 2, L0375: 2, H0555: 2, L0754: 2, L0749: 2, L0756: 2, L0731: 2, H0265: 1, H0295: 1, S0298: 1, S0212: 1, H0255: 1, H0661: 1, S0358: 1, H0580: 1, H0645: 1, H0549: 1, H0497: 1,	19p13	601011, 601011, 601011, 601011, 601768, 601843

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HODGH47	1026139	618	398 - 1024	2793		H0666: 13, H0620: 7, L0731: 7, L0747: 6, L0659: 5, L0740: 5, L0750: 5, L0757: 5, S0360: 4, H0123: 4, S0022: 4, H0135: 4, L0666: 4, L0665: 4, S0028: 4, L0748: 4, L0777: 4, L0588: 4, S0420: 3, S0358: 3,		

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H0046: 3, H0284: 3,
L0650: 3, L0375: 3,
L0382: 3, H0352: 3,
H0592: 2, H0544: 2,
H0024: 2, H0266: 2,
H0286: 2, H0252: 2,
H0615: 2, H0428: 2,
H0628: 2, H0551: 2,
H0100: 2, S0210: 2,
L0763: 2, L0770: 2,
L0774: 2, L0661: 2,
L0518: 2, H0547: 2,
H0670: 2, S0037: 2,
L0751: 2, L0752: 2,
L0755: 2, L0758: 2,
L0601: 2, S0194: 2,
H0170: 1, H0265: 1,
H0686: 1, S0040: 1,
H0295: 1, H0341: 1,
H0638: 1, S0444: 1,
H0580: 1, H0329: 1,
S0468: 1, S0046: 1,
S0132: 1, S0476: 1,
H0619: 1, H0645: 1,
L0717: 1, S0278: 1,
H0550: 1, H0586: 1,
H0333: 1, L0021: 1,
H0575: 1, H0253: 1,
H0052: 1, H0150: 1,

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HODBK27	1026372	619	87 - 497	2794		H0328: 2, H0656: 1 and H0538: 1.			
HE8CH59	1026805	620	1889 - 2770	2795	Tyr-1 to Pro-8, Asp-21 to Lys-28, Arg-30 to Ile-38,	H0583: 2, L0744: 2, L0747: 2, H0650: 1, H0656: 1, S0356: 1,			

					Asn-71 to Gln-76, Val-85 to Pro-101, Ser-104 to Arg-111, His-123 to Arg-128, Glu-146 to Arg-152, Val-155 to Asp-271, Leu-274 to Gly-279, Ser-283 to Glu-290.	H0013: 1, H0590: 1, H0581: 1, H0251: 1, H0266: 1, H0328: 1, H0615: 1, H0135: 1, H0488: 1, H0538: 1, L0521: 1, H0539: 1, H0522: 1, S0028: 1, L0366: 1 and H0677: 1.		
HSKGR52	1026911	621	2 - 625	2796	Asn-53 to Arg-58, Asp-79 to Tyr-89, Pro-98 to Pro-108, Lys-195 to Lys-200.	AR052: 91, AR096: 79, AR053: 69, AR039: 64, AR089: 46, AR060: 39, AR033: 35, AR104: 32, AR055: 14, AR061: 10 L0805: 22, L0794: 15, L0766: 12, L0747: 12, L0803: 11, L0740: 11, L0779: 11, L0776: 9, L0769: 7, H0521: 7, L0439: 7, L0731: 7, L0605: 7, S0474: 6, S0422: 6, L0752: 6, L0665: 5, L0748: 5, L0758: 5, H0618: 4, S0010: 4, L0771: 4, L0789: 4, S3014: 4, H0341: 3, H0615: 3, H0708: 3, L0763: 3, L0804: 3, L0659: 3, L0809: 3, S0052: 3,		

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HMUAQ05	1026913	622	3 - 218	2797	Pro-2 to Pro-8.	S0354: 2, H0615: 2, L0591: 2, S0356: 1, S0442: 1, S0360: 1, S0222: 1, H0362: 1, H0156: 1, H0036: 1, H0012: 1, H0014: 1, S0051: 1, T0010: 1, H0529: 1, S0126: 1, L0439: 1, L0755: 1 and L0608: 1.		

HCOMA45	1026979	623	536 - 447	2798	Glu-13 to Gly-18.	H0662: 1, S0046: 1, H0658: 1 and H0670: 1.			
HE2KI45	1027007	624	3 - 1565	2799		L0803: 12, H0581: 8, S0358: 6, H0046: 6, H0428: 6, S0356: 5, S0007: 5, H0031: 4, L0665: 4, H0271: 3, H0038: 3, L0794: 3, L0804: 3, L0666: 3, H0693: 3, S0406: 3, L0756: 3, L0758: 3, L0592: 3, S0116: 2, S0444: 2, H0431: 2, H0586: 2, H0486: 2, L0471: 2, H0615: 2, H0039: 2, S0036: 2, H0616: 2, S0422: 2, H0529: 2, L0770: 2, L0521: 2, L0662: 2, L0776: 2, L0787: 2, L0438: 2, H0670: 2, H0660: 2, S0328: 2, S0330: 2, H0436: 2, L0748: 2, L0755: 2, L0485: 2, L0599: 2, S0192: 2, H0423: 2, H0624: 1, S0342: 1, S0114: 1, H0650: 1, H0657: 1, H0638: 1, S0354: 1, S0360: 1,	1		

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HODDO66	1027207	625	2 - 136	2800		H0667: 3, S0222: 2, H0013: 2, L0438: 2, H0265: 1, H0583: 1, S0280: 1, H0036: 1, H0318: 1, L0471: 1, H0266: 1, H0328: 1, H0553: 1, S0364: 1, H0038: 1, H0040: 1, H0488: 1, L0796: 1, H0144: 1, H0684: 1 and H0423: 1.	2p11.2	178640, 216900
HVVAT45	1027269	626	71 - 1117	2801	Pro-1 to Leu-8, Arg-41 to Gly-48, Ile-73 to Cys-80, Ala-137 to Tyr-144, Lys-193 to Ala-208, Leu-254 to Leu-259, Ala-317 to Ala-323, Glu-343 to Phe-349.				
HVCAG18	1027484	627	1 - 393	2802	Leu-46 to Thr-53, Pro-80 to Ser-86,	H0639: 1, H0683: 1, H0666: 1 and S0328: 1.	20q12-q13.2	118504,	118504,

				Arg-101 to Gly-112, Lys-115 to Gly-122.			131242, 139320, 139320, 139320, 139320, 600281, 600281, 602025
HPTYK72	1027486	628	52 - 462	2803	Leu-52 to Thr-59, Pro-86 to Ser-92, Arg-107 to Gly-118, Lys-121 to Gly-128.	L0751: 29, H0549: 17, H0550: 17, L0666: 9, L0747: 8, H0689: 7, H0690: 7, H0682: 7, H0615: 6, H0670: 6, H0328: 5, H0150: 4, H0660: 4, S0330: 4, S0044: 4, L0362: 4, H0597: 3, H0688: 3, L0764: 3, L0657: 3, L0809: 3, L0753: 3, L0758: 3, L0759: 3, H0431: 2, H0046: 2, T0067: 2, H0059: 2, H0647: 2, L0774: 2, L0805: 2, L0783: 2, L0438: 2, H0593: 2, H0648: 2, H0672: 2, S0328: 2, S0404: 2, L0744: 2, L0779: 2, S0436: 2, H0662: 1, S0442: 1, S0444: 1,		

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HHSGW78	1028405	629	150 - 404	2804		H0306: 1 and S0388: 1.	5q11.1	253200, 600887
HDTLR06	1029191	630	3 - 1013	2805		AR053: 5, AR089: 5, AR096: 4, AR039: 4, AR060: 3, AR104: 2, AR055: 2, AR033: 2, AR061: 1 L0731: 15, L0754: 14, H0616: 9, L0766: 8, L0758: 8, L0777: 7, H0266: 5, L0752: 5, S0358: 4, S0422: 4, L0518: 4, H0547: 4, S0406: 4, H0013: 3,			

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H0083: 3, S0003: 3,
L0662: 3, L0776: 3,
H0659: 3, L0439: 3,
L0753: 3, S0434: 3,
L0465: 3, H0171: 2,
H0580: 2, H0486: 2,
H0318: 2, L0471: 2,
H0428: 2, H0553: 2,
H0032: 2, H0038: 2,
H0634: 2, H0551: 2,
S0438: 2, L0764: 2,
L0804: 2, L0655: 2,
L0664: 2, S0374: 2,
H0684: 2, H0672: 2,
H0651: 2, H0518: 2,
L0740: 2, L0756: 2,
L0362: 2, L0603: 2,
H0170: 1, H0686: 1,
S0040: 1, H0583: 1,
H0657: 1, S0212: 1,
S0282: 1, S0420: 1,
S0356: 1, S0442: 1,
L0717: 1, H0411: 1,
H0600: 1, H0587: 1,
H0257: 1, T0039: 1,
H0069: 1, S0280: 1,
H0575: 1, H0036: 1,
H0590: 1, L0105: 1,
S0049: 1, H0570: 1,

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HPAMG11	1029484	631	1328 - 663	2806	Pro-32 to Lys-38, Ser-201 to Pro-211, Glu-217 to Glu-222.	H0413: 2, H0556: 1, H0638: 1, S0376: 1, H0457: 1, H0009: 1, H0519: 1, H0682: 1, H0672: 1, L0748: 1, L0759: 1 and H0445: 1.		
HSDJR27	1030870	632	1758 - 622	2807	Gln-8 to Arg-27, Val-34 to Asn-39, Tyr-65 to Gly-75, Glu-80 to Lys-87, Thr-207 to Gly-218, Thr-245 to Glu-250, Leu-256 to Thr-263, Leu-273 to Thr-281, Lys-289 to Leu-296, Ser-323 to Asn-330.	L0665: 3, L0777: 3, L0717: 2, L0776: 2, L0438: 2, L0756: 2, L0752: 2, S0116: 1, H0661: 1, H0339: 1, H0549: 1, H0587: 1, H0688: 1, H0553: 1, L0351: 1, S0422: 1, L0437: 1, L0769: 1, L0637: 1, L0771: 1, L0662: 1, L0794: 1, L0766: 1, L0655: 1, L0787: 1, L0789: 1, L0664: 1, L0352: 1, H0659: 1, L0748: 1, L0754: 1, L0779: 1, L0731: 1, L0758: 1, S0260: 1, L0480: 1, L0596: 1 and L0608: 1.		
HOCPL33	1030871	633	1032 - 571	2808	Asp-1 to Gly-6, Pro-14 to Trp-35, Arg-37 to Gly-45, Ser-63 to Pro-72, Pro-87 to Arg-100,	L0770: 4, L0439: 4, L0438: 3, H0670: 3, L0748: 3, L0740: 3, H0538: 2, L0777: 2, S0342: 1, S0110: 1,		

				Pro-102 to Gly-107.	S0354: 1, S0444: 1, S0360: 1, H0729: 1, H0728: 1, H0734: 1, H0619: 1, H0549: 1, H0550: 1, H0587: 1, H0427: 1, H0253: 1, H0023: 1, T0010: 1, H0039: 1, H0674: 1, H0135: 1, H0488: 1, H0494: 1, S0015: 1, H0647: 1, S0210: 1, L0763: 1, L0800: 1, L0644: 1, L0521: 1, L0768: 1, L0775: 1, L0805: 1, L0659: 1, L0782: 1, L0783: 1, L0528: 1, L0789: 1, L0791: 1, L0793: 1, L0532: 1, H0725: 1, H0659: 1, H0658: 1, H0660: 1, S0013: 1, S0037: 1, S0206: 1, L0751: 1, L0605: 1, L0485: 1, L0599: 1 and S0026: 1.		
HPCQN80	1030963	634	86 - 2158	2809		L0803: 4, L0777: 4, L0758: 4, L0804: 3, L0659: 3, L0752: 3, S0408: 2, L0717: 2, L0598: 2, L0770: 2,	

					L0662: 2, L0661: 2, L0657: 2, L0526: 2, L0664: 2, H0659: 2, H0648: 2, L0748: 2, L0751: 2, L0749: 2, L0779: 2, S0040: 1, H0713: 1, S0356: 1, S0442: 1, S0360: 1, H0393: 1, H0351: 1, H0441: 1, H0486: 1, H0581: 1, H0123: 1, H0050: 1, S0051: 1, H0673: 1, S0438: 1, S0144: 1, L0520: 1, L0763: 1, L0371: 1, L0637: 1, L5366: 1, L0800: 1, L0764: 1, L0773: 1, L0649: 1, L0381: 1, L0774: 1, L0375: 1, L0806: 1, L0653: 1, L0776: 1, L0809: 1, L0530: 1, L0788: 1, L0666: 1, H0521: 1, H0555: 1, S0032: 1, L0740: 1, L0745: 1, L0750: 1, L0756: 1, L0757: 1, L0591: 1, L0581: 1 and H0506: 1.		
HODE122	1031076	635	1561 -	2810		L0766: 6, L0804: 5,	

			1307						
						L0748: 5, L0666: 4, L0663: 4, L0634: 3, L0740: 3, H0445: 3, H0318: 2, H0046: 2, H0615: 2, H0428: 2, L0761: 2, L0775: 2, L0665: 2, H0658: 2, H0583: 1, H0656: 1, S0001: 1, H0637: 1, H0090: 1, H0038: 1, S0002: 1, L0520: 1, L0638: 1, L0649: 1, L0527: 1, L0657: 1, L0559: 1, L0647: 1, L0664: 1, S0052: 1, S0428: 1, H0682: 1, H0660: 1, H0555: 1 and L0751: 1.		
HODFZ16	1031085	636	340 - 498	2811	Phe-3 to Ala-23.	L0766: 2, L0748: 2, S0116: 1, L0005: 1, H0615: 1, H0529: 1, L0792: 1 and H0521: 1.			
HWGAE28	1031316	637	1 - 2271	2812	Cys-1 to Arg-6, Thr-84 to Thr-97, Arg-131 to Trp-136, Ser-155 to Gly-160, Thr-187 to Glu-201.	L0439: 9, H0519: 6, L0665: 5, H0547: 5, L0755: 5, S0434: 5, H0529: 4, L0659: 4, S0358: 3, S0010: 3, L0731: 3, L0599: 3, L0595: 3, H0422: 3, H0657: 2, H0581: 2,	2p24		107730, 107730, 107730, 107730, 182601, 602134

H0251: 2, L0471: 2,
H0510: 2, H0031: 2,
L0763: 2, L0646: 2,
L0662: 2, L0775: 2,
L0809: 2, L0647: 2,
H0436: 2, L0754: 2,
L0758: 2, L0759: 2,
L0605: 2, S0424: 2,
H0624: 1, L0615: 1,
H0341: 1, H0662: 1,
S0418: 1, L0005: 1,
S0360: 1, S0410: 1,
S0046: 1, H0415: 1,
H0600: 1, H0587: 1,
H0642: 1, H0486: 1,
H0250: 1, H0156: 1,
H0546: 1, H0041: 1,
S6028: 1, H0266: 1,
S0334: 1, S0250: 1,
T0006: 1, L0455: 1,
H0708: 1, H0551: 1,
H0059: 1, H0100: 1,
L0370: 1, H0429: 1,
H0494: 1, S0352: 1,
S0370: 1, S0150: 1,
H0641: 1, L0369: 1,
L0520: 1, L0770: 1,
L0638: 1, L0772: 1,
L0641: 1, L0521: 1,
L0794: 1, L0803: 1,

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HOFNZ21	1031328	638	109 - 456	2813	Arg-1 to Gly-6.	H0415: 2	βp13-p12	230400, 250250	
HOOKH25	1031329	639	231 - 2696	2814	Ala-4 to Glu-13, Ala-21 to Asp-27, Lys-34 to Asn-40, Asp-91 to Ile-98, Pro-122 to Lys-128, Arg-160 to Gly-165, Glu-203 to Ser-213, Gly-218 to Cys-225, Ser-298 to Lys-304, Glu-307 to Asn-312, Pro-327 to His-333,	L0747: 8, L0659: 7, L0776: 5, L0770: 4, L0662: 4, L0768: 4, L0775: 4, L0752: 4, L0603: 4, H0556: 3, S0410: 3, L0665: 3, L0439: 3, L0750: 3, S0356: 2, S0408: 2, L0471: 2, H0271: 2, S0440: 2, L0762: 2, L0769: 2, L0372: 2,	βp13-p12	230400, 250250	

			Thr-363 to Ser-368,	L0646: 2, L0764: 2,			
			Arg-375 to Val-383,	L0773: 2, L0766: 2,			
			Asp-500 to Leu-505,	L0649: 2, L0655: 2,			
			Arg-602 to Asp-608,	L0663: 2, L0664: 2,			
			Glu-722 to Ser-734,	H0144: 2, L0565: 2,			
			Glu-739 to Val-744,	H0547: 2, H0690: 2,			
			Glu-746 to His-751,	H0659: 2, L0602: 2,			
			Leu-778 to Phe-784,	S0404: 2, L0754: 2,			
			Pro-790 to Gly-795,	L0749: 2, L0777: 2,			
			Ala-797 to Thr-807,	L0758: 2, L0596: 2,			
			Tyr-812 to Tyr-821.	H0657: 1, S0001: 1,			
				H0484: 1, H0638: 1,			
				S0418: 1, S0444: 1,			
				L0717: 1, H0333: 1,			
				H0156: 1, H0052: 1,			
				H0545: 1, H0012: 1,			
				H0083: 1, H0687: 1,			
				H0674: 1, H0090: 1,			
				H0063: 1, H0264: 1,			
				H0100: 1, L0434: 1,			
				L0351: 1, H0494: 1,			
				H0561: 1, S0466: 1,			
				H0641: 1, H0529: 1,			
				L0763: 1, L0761: 1,			
				L0667: 1, L0363: 1,			
				L0650: 1, L0653: 1,			
				L0654: 1, L0379: 1,			
				L0607: 1, L0807: 1,			
				L0635: 1, L0783: 1,			
				L0383: 1, L0809: 1,			

						L0666: 1, H0658: 1, H0670: 1, H0648: 1, H0521: 1, S0406: 1, L0748: 1, L0731: 1, L0593: 1, L0595: 1, S0026: 1, S0276: 1 and H0422: 1.		
HDTIL75	1031435	640	1 - 1092	2815	Gly-1 to Arg-6, Glu-26 to Gly-31, Gln-70 to Trp-75.	S0410: 8, H0620: 5, H0012: 2, S0040: 1, S0358: 1, S0132: 1, H0486: 1, H0706: 1, H0031: 1, H0628: 1, H0316: 1, S0036: 1, H0090: 1, H0038: 1, H0131: 1, S0144: 1, L0774: 1, L0789: 1, L0666: 1, H0144: 1, L0438: 1, H0435: 1, H0672: 1, S0328: 1, H0539: 1, L0731: 1, S0436: 1 and H0665: 1.		
HPRSB55	1031451	641	3 - 1751	2816	Cys-18 to Lys-24, Gly-57 to Gly-63, Lys-72 to Ile-81, Cys-88 to Glu-93, Gly-97 to Glu-116, Thr-121 to Val-129, Lys-137 to Lys-150, Thr-156 to Asp-161, Gly-177 to Leu-182,	L0766: 4, L0758: 4, L0773: 3, L0748: 3, L0751: 3, L0731: 3, L0759: 3, H0171: 2, H0013: 2, H0644: 2, H0616: 2, H0633: 2, L0805: 2, L0659: 2, L0666: 2, L0665: 2, L0754: 2, L0779: 2,			

					Glu-213 to Leu-229, Asp-275 to Arg-281, Asp-287 to Trp-299, Lys-302 to Arg-316, Leu-338 to Ser-343.	S6024: 1, S0212: 1, S0354: 1, S0046: 1, T0039: 1, H0599: 1, H0575: 1, H0036: 1, T0110: 1, H0046: 1, H0050: 1, L0471: 1, H0355: 1, H0271: 1, H0687: 1, H0553: 1, H0166: 1, H0212: 1, H0211: 1, H0264: 1, H0272: 1, H0100: 1, H0494: 1, S0002: 1, L0637: 1, L0627: 1, L0645: 1, L0764: 1, L0803: 1, L0774: 1, L0653: 1, L0606: 1, L0790: 1, L0664: 1, H0435: 1, H0660: 1, H0648: 1, H0521: 1, L0439: 1, L0747: 1, L0749: 1, L0750: 1, L0752: 1 and L0596: 1.		
HPDPY36	1031606	642	482 - 757	2817	Pro-33 to Pro-40, Pro-47 to Met-56.	L0471: 1, H0617: 1, L0761: 1, L0768: 1, H0658: 1, L0754: 1 and L0779: 1.	12	
HETFJ47	1031922	643	3 - 1328	2818		AR060: 4, AR089: 2, AR061: 1, AR096: 1, AR033: 0, AR039: 0, AR053: 0, AR052: 0		

					L0541: 1, L0789: 1, L0790: 1, L0664: 1, S0374: 1, H0689: 1, H0666: 1, H0478: 1, L0779: 1, S0436: 1, H0506: 1 and H0712: 1.		
HMAMI21	1031988	644	14 - 1222	2819	AR096: 10, AR089: 10, AR060: 7, AR104: 6, AR033: 5, AR053: 5, AR039: 4, AR061: 3, AR055: 3 L0803: 9, H0648: 5, H0046: 3, L0805: 3, L0731: 3, S0444: 2, S0360: 2, S0476: 2, H0597: 2, H0412: 2, L0764: 2, L0809: 2, H0670: 2, L0740: 2, L0747: 2, L0756: 2, L0777: 2, S0040: 1, T0049: 1, S0420: 1, S0358: 1, S0376: 1, H0580: 1, L0152: 1, S0045: 1, S0278: 1, H0261: 1, S0280: 1, H0618: 1, H0012: 1, H0266: 1, H0488: 1, H0268: 1, S0144: 1, S0344: 1, S0426: 1, L0638: 1, L0646: 1,		

						L0794: 1, L0804: 1, L0774: 1, L0666: 1, L0664: 1, L0665: 1, S0052: 1, S0374: 1, H0658: 1, H0651: 1, S0028: 1, L0779: 1, L0780: 1, L0755: 1, L0759: 1, H0445: 1 and S0276: 1.		
HCOQQ85	1032475	645	343 - 672	2820	Arg-37 to Ser-44, Leu-68 to Lys-73, Val-77 to Lys-84, Glu-98 to Lys-110.	L0775: 9, S0126: 9, L0747: 9, H0617: 7, L0750: 7, L0731: 7, H0670: 5, L0740: 5, L0770: 4, L0769: 4, L0768: 4, L0783: 4, L0752: 4, T0023: 3, L0764: 3, L0653: 3, L0776: 3, H0672: 3, S0046: 2, T0039: 2, H0318: 2, H0251: 2, H0545: 2, H0012: 2, H0373: 2, S0388: 2, H0266: 2, H0087: 2, H0100: 2, H0280: 2, L0368: 2, L0753: 2, L0755: 2, L0757: 2, H0595: 2, L0590: 2, L0592: 2, S6024: 1, H0255: 1, H0664: 1, H0177: 1, S0360: 1,	1q21	104770, 107670, 110700, 135940, 145001, 146790, 152445, 152445, 159001, 174000, 179755, 182860, 182860, 182860, 191315, 230800, 230800, 266200, 600897, 601105, 601412.

					S0408: 1, H0411: 1, H0298: 1, L0622: 1, T0040: 1, L0021: 1, S0049: 1, H0052: 1, H0263: 1, H0597: 1, H0620: 1, T0003: 1, L0163: 1, H0594: 1, H0252: 1, H0606: 1, H0163: 1, S0464: 1, S0438: 1, H0652: 1, L0598: 1, L0763: 1, L0773: 1, L0375: 1, L0629: 1, L0628: 1, L0659: 1, L0518: 1, L0545: 1, L0541: 1, L0788: 1, L0665: 1, H0144: 1, H0691: 1, H0682: 1, H0658: 1, H0660: 1, H0648: 1, S0330: 1, S0380: 1, S0027: 1, L0748: 1, L0754: 1, L0756: 1, L0780: 1, L0758: 1, L0759: 1, L0462: 1 and H0352: 1,		601652, 602491
HE2DQ62	1033653	646	1515 - 796	2821	Arg-1 to Ala-7, Glu-98 to Asp-103, Glu-109 to Asp-115, Leu-141 to Glu-146, Glu-172 to Arg-180,	H0545: 3, H0046: 3, L0763: 3, L0783: 3, S0358: 2, L0769: 2, L0774: 2, L0809: 2, H0547: 2, S0126: 2,		

						H0660: 2, H0672: 2, S0031: 2, L0588: 2, H0624: 1, H0170: 1, H0265: 1, H0556: 1, H0295: 1, H0583: 1, H0657: 1, H0662: 1, S0356: 1, S0354: 1, S0360: 1, H0637: 1, S0046: 1, L0717: 1, H0550: 1, H0013: 1, H0086: 1, H0011: 1, H0510: 1, H0494: 1, H0646: 1, H0529: 1, L0502: 1, L0770: 1, L0638: 1, L0761: 1, L0521: 1, L0528: 1, L0666: 1, L0665: 1, H0144: 1, S0374: 1, H0519: 1, H0659: 1, S0380: 1, H0704: 1, S0028: 1, L0747: 1, L0779: 1, L0777: 1, H0653: 1, S0194: 1 and S0276: 1.		
HEBAE89	1034320	647	179 - 400	2822	Pro-20 to Phe-32, Pro-52 to Phe-59, Lys-68 to His-74.	S0007: 5, S0010: 1, H0617: 1 and L0769: 1.		
HKDBF43	1034471	648	3 - 431	2823	Pro-2 to Asp-14, Ser-71 to Thr-76, Ser-110 to Trp-119.	AR089: 31, AR053: 27, AR096: 26, AR052: 25, AR039: 16, AR060:		

						J5, AR033: 13, AR104: 13, AR055: 6, AR061: 4 L0749: 4, L0471: 3, L0748: 3, L0777: 3, H0545: 2, H0561: 2, L0770: 2, L0769: 2, L0745: 2, L0779: 2, L0752: 2, L0759: 2, H0657: 1, H0663: 1, H0125: 1, S0358: 1, H0393: 1, H0411: 1, L0586: 1, H0013: 1, H0156: 1, H0083: 1, H0356: 1, H0328: 1, H0321: 1, H0551: 1, S0422: 1, L0764: 1, L0773: 1, L0804: 1, L0774: 1, L0776: 1, L0659: 1, H0547: 1, H0519: 1, H0683: 1, H0659: 1, H0648: 1, H0672: 1, S0330: 1, S3014: 1, L0731: 1, S0031: 1 and H0352: 1.	
HVVCT43	1034539	649	3152 - 2838	2824		L0666: 47, H0046: 20, H0672: 13, L0754: 11, S0003: 9, L0766: 6, L0664: 6, L0744: 5, L0439: 5, L0777: 5,	

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					H0100: 1, H0625: 1, H0561: 1, S0440: 1, H0641: 1, S0144: 1, S0142: 1, L0598: 1, H0529: 1, L0369: 1, L0769: 1, L0646: 1, L0771: 1, L0662: 1, L0803: 1, L0774: 1, L0651: 1, L0805: 1, L0776: 1, L0659: 1, L0783: 1, L0791: 1, L0792: 1, H0519: 1, H0684: 1, H0670: 1, H0660: 1, H0648: 1, S0328: 1, H0518: 1, H0521: 1, H0522: 1, H0696: 1, H0555: 1, H0436: 1, L0758: 1, H0445: 1, L0684: 1, H0595: 1, L0588: 1, S0026: 1, H0543: 1, H0422: 1 and H0506: 1.		
HTTDR30	1035435	650	609 - 1022	2825	Val-39 to Ala-45.	AR055: 8, AR060: 6, AR052: 6, AR089: 5, AR096: 5, AR053: 5, AR033: 4, AR061: 3, AR104: 2, AR039: 2 L0766: 7, H0591: 3, H0040: 3, L0794: 3, H0689: 3, L0752: 3,		

						H0581: 2, H0059: 2, L0771: 2, L0809: 2, L0665: 2, L0749: 2, H0637: 1, H0497: 1, T0109: 1, H0036: 1, H0318: 1, H0039: 1, H0181: 1, H0038: 1, H0634: 1, L0637: 1, L0662: 1, L0649: 1, L0388: 1, L0776: 1, L0655: 1, L0658: 1, L0788: 1, H0520: 1, H0690: 1, H0670: 1, H0672: 1, L0751: 1, L0747: 1, L0750: 1, L0777: 1, L0758: 1 and L0361: 1.			
HODGG46	1035602	651	420 - 316	2826		Thr-11 to Asn-18, Gly-25 to Glu-30.	H0615: 2		
HNTTB23	1035988	652	3 - 974	2827		Pro-21 to Asn-31, Arg-158 to Lys-170, Thr-194 to Leu-200.	AR039: 2, AR096: 1, AR089: 1, AR060: 1, AR033: 1, AR061: 1, AR055: 0, AR053: 0 L0757: 3, L0594: 2, S0212: 1, L0527: 1, H0547: 1, S0328: 1 and L0756: 1.		
HVVBV73	1036583	653	334 - 1299	2828		His-55 to Arg-63, Glu-96 to Val-109, Ser-113 to Ala-119,	S0278: 5, H0580: 2, H0575: 2, H0050: 2, S0344: 2, L0764: 2,		

					Lys-140 to Tyr-150, Glu-157 to Ser-172, Gly-174 to Asn-185, Arg-223 to Pro-245, Leu-264 to Asp-272.	H0672: 2, T0002: 1, S0134: 1, H0656: 1, S0116: 1, H0706: 1, S0010: 1, H0581: 1, H0375: 1, H0030: 1, H0031: 1, H0644: 1, H0090: 1, H0087: 1, T0041: 1, S0142: 1, S0002: 1, S0426: 1, L0770: 1, L0667: 1, L0794: 1, L0803: 1, L0543: 1, H0521: 1, L0748: 1, L0749: 1, S0260: 1 and H0542: 1.		
HE8MH38	1036707	654	1 - 1812	2829		H0013: 2 and S0126: 1.		
HTEPV42	1036973	655	1 - 435	2830	Gln-1 to Asp-6, Gly-11 to Ser-16, Pro-21 to Leu-41, Ser-44 to Pro-54.	L0754: 6, L0758: 6, L0598: 3, L0756: 3, H0716: 2, S0358: 2, S0360: 2, S0007: 2, H0318: 2, H0052: 2, L0471: 2, H0615: 2, L0794: 2, L0766: 2, L0663: 2, H0658: 2, L0750: 2, L0731: 2, H0664: 1, H0638: 1, S0442: 1, H0741: 1, H0734: 1, H0229: 1, H0411: 1, H0415: 1, H0497: 1, H0574: 1, H0599: 1, H0108: 1,		

						S0010: 1, S0474: 1, H0581: 1, H0050: 1, S0214: 1, H0030: 1, H0032: 1, H0113: 1, H0616: 1, T0067: 1, H0488: 1, H0059: 1, S0438: 1, H0538: 1, L0803: 1, L0805: 1, L0776: 1, L0655: 1, L0659: 1, L0809: 1, L5623: 1, L0788: 1, L0791: 1, L0793: 1, L0666: 1, H0520: 1, H0519: 1, H0684: 1, H0670: 1, H0521: 1, L0747: 1, L0749: 1, L0752: 1, L0759: 1, S0434: 1, L0596: 1, L0592: 1, L0362: 1 and H0423: 1.		
HFTCG52	1037108	656	706 - 89	2831	Val-10 to Lys-17, Val-137 to Gly-142, Pro-148 to Tyr-167.	AR061: 28, AR033: 25, AR104: 22, AR055: 22, AR060: 19, AR089: 19, AR052: 12, AR039: 11, AR096: 11, AR053: 8 L0751: 7, L0769: 6, L0750: 5, L0752: 5, H0052: 4, L0771: 4, L0775: 4, L0758: 4,		

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H0486: 2, S0010: 2,
H0620: 2, T0006: 2,
H0181: 2, H0494: 2,
L0774: 2, L0375: 2,
L0776: 2, L0512: 2,
L0659: 2, H0555: 2,
S0206: 2, L0740: 2,
L0747: 2, L0596: 2,
L0588: 2, S0276: 2,
H0624: 1, S0402: 1,
T0049: 1, H0341: 1,
H0662: 1, S0358: 1,
S0376: 1, S0360: 1,
S0045: 1, S0476: 1,
L0717: 1, H0351: 1,
S0222: 1, H0455: 1,
T0114: 1, L0021: 1,
H0618: 1, T0048: 1,
H0318: 1, L0109: 1,
H0309: 1, H0544: 1,
H0546: 1, H0545: 1,
H0009: 1, H0123: 1,
L0471: 1, H0424: 1,
H0031: 1, H0628: 1,
H0617: 1, H0063: 1,
H0059: 1, H0100: 1,
H0625: 1, H0633: 1,
H0646: 1, H0517: 1,
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HKAOB40	10371131	657	1 - 360	2832	Asp-64 to Phe-69, Thr-104 to Phe-120.	AR052: 26, AR033: 22, AR104: 15, AR053: 14, AR060: 12, AR055: 12, AR089: 11, AR096: 8, AR061: 4, AR039: 2 H0360: 14, S0408: 5, L0774: 5, L0749: 5, L0775: 4, H0648: 4, L0623: 3, H0373: 3, L0520: 3, S0328: 3, S0406: 3, S0360: 2, S0222: 2, H0575: 2, T0082: 2, L0471: 2, H0494: 2, L0763: 2, L0769: 2, L0764: 2, L0517: 2, L0809: 2, H0684: 2, L0747: 2, S0031: 2, L0581: 2,		

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HPDVE37	1037303	658	34 - 885	2833	His-8 to Gly-18, Phe-25 to Ala-39, Val-70 to Ser-75, Glu-114 to Gly-121, Thr-146 to Lys-155, Gly-213 to Asn-219, Glu-256 to Asp-267.	H0521: 68, H0090: 12, L0666: 10, L0748: 10, L0775: 9, H0522: 9, H0638: 8, L0771: 8, L0659: 8, H0591: 7, L0747: 7, L0770: 5, L0664: 5, L0754: 5, H0580: 4, H0486: 4, H0622: 4, H0644: 4, H0551: 4, H0494: 4, L0655: 4, S0374: 4, L0755: 4, L0759: 4, S0132: 3, H0013: 3, H0421: 3, H0553: 3, H0616: 3, H0641: 3, S0142: 3, L0766: 3, L0663: 3, L0665: 3, H0547: 3, L0756: 3, L0779: 3, L0752: 3, S0358: 2, S0376: 2, S0444: 2, S0360: 2, S0278: 2, H0431: 2, H0586: 2, H0575: 2, H0318: 2, H0581: 2, H0457: 2, S0003: 2, H0688: 2, H0039: 2, H0264: 2, H0529: 2, L0763: 2, L0769: 2, L0646: 2, L0803: 2, L0774: 2, H0701: 2,		

					S0380: 2, H0555: 2, L0439: 2, L0740: 2, L0777: 2, L0731: 2, H0445: 2, L0599: 2, L0608: 2, H0506: 2, S0040: 1, H0650: 1, S0116: 1, S0212: 1, S0356: 1, S0354: 1, S0468: 1, S0045: 1, H0619: 1, S6022: 1, H0370: 1, H0392: 1, H0497: 1, H0642: 1, T0114: 1, H0427: 1, H0042: 1, H0251: 1, H0596: 1, H0046: 1, H0086: 1, H0057: 1, H0083: 1, H0375: 1, T0023: 1, H0031: 1, L0055: 1, H0598: 1, H0135: 1, H0038: 1, H0040: 1, H0412: 1, H0056: 1, T0042: 1, S0370: 1, H0509: 1, S0144: 1, S0002: 1, S0426: 1, L0796: 1, L0772: 1, L0764: 1, L0765: 1, L0662: 1, L0768: 1, L0389: 1, L0804: 1, L0651: 1, L0636: 1, L0647: 1,		

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HTLES74	1037438	659	95 - 859	2834		H0618: 3, L0740: 2, L0749: 2, L0596: 2, L0597: 2, S0354: 1, H0580: 1, H0042: 1, H0253: 1, S0010: 1, H0172: 1, H0615: 1, H0412: 1, S0386: 1, L0662: 1, L0648: 1, L0768: 1, L0803: 1, L0774: 1, L0657: 1, L0809: 1, L0779: 1, L0758: 1 and H0445: 1.		
HCORG51	1037480	660	3 - 434	2835	Cys-1 to Glu-6, Asp-52 to Asp-65, Lys-82 to Pro-88, Phe-111 to Ala-123.	S0136: 33, L0747: 16, H0144: 14, L0731: 14, L0752: 13, S0422: 12, L0740: 12, L0754: 11,		

					L0750: 11, H0038: 10, S0026: 10, H0556: 9, S0360: 9, L0665: 9, H0521: 9, H0616: 8, L0520: 8, L0776: 8, L0664: 8, L0757: 8, H0009: 7, S0003: 7, L0655: 7, S0406: 7, L0748: 7, H0170: 6, L0471: 6, H0620: 6, S0440: 6, L0518: 6, L0749: 6, L0608: 6, H0341: 5, S0442: 5, H0351: 5, H0370: 5, H0013: 5, H0090: 5, H0551: 5, L0598: 5, L0375: 5, L0659: 5, S0126: 5, H0682: 5, H0648: 5, L0751: 5, H0543: 5, H0423: 5, L0005: 4, S0444: 4, S0007: 4, H0163: 4, H0494: 4, H0529: 4, L0769: 4, L0521: 4, L0775: 4, L0666: 4, H0659: 4, H0670: 4, S0027: 4, L0758: 4, H0542: 4, H0657: 3, S0212: 3, S0354: 3, S0408: 3, H0580: 3,		

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H0309: 1, H0596: 1,
L0040: 1, H0597: 1,
H0327: 1, H0530: 1,
H0544: 1, H0545: 1,
H0046: 1, N0006: 1,
H0570: 1, H0569: 1,
H0172: 1, H0123: 1,
H0010: 1, H0373: 1,
H0083: 1, H0510: 1,
H0099: 1, H0267: 1,
H0290: 1, H0328: 1,
H0535: 1, H0622: 1,
L0483: 1, T0006: 1,
H0316: 1, H0591: 1,
H0040: 1, H0634: 1,
H0413: 1, H0100: 1,
T0041: 1, H0334: 1,
H0560: 1, H0625: 1,
S0438: 1, H0647: 1,
S0144: 1, H0538: 1,
UNKWN: 1, L0369: 1,
L0762: 1, L0637: 1,
L0761: 1, L0373: 1,
L0764: 1, L0773: 1,
L0648: 1, L0626: 1,
L0767: 1, L0794: 1,
L0386: 1, L0378: 1,
L0805: 1, L0629: 1,
L0383: 1, L0382: 1,
L0809: 1, L0530: 1,

					L0789: 1, L0663: 1, S0428: 1, H0701: 1, L0565: 1, H0519: 1, H0593: 1, H0689: 1, H0658: 1, H0672: 1, S0330: 1, H0539: 1, S0378: 1, S0380: 1, H0709: 1, S0152: 1, S0332: 1, S0044: 1, S0188: 1, H0187: 1, L0356: 1, H0478: 1, H0627: 1, H0631: 1, L0611: 1, S0206: 1, S0032: 1, L0439: 1, L0786: 1, H0343: 1, L0592: 1, L0485: 1, H0668: 1, H0136: 1, S0194: 1, S0196: 1, S0460: 1, H0506: 1 and H0008: 1.			
HPAMM72	1038344	661	2 - 520	2836	Gly-1 to Thr-11.	L0747: 5, H0424: 4, H0617: 4, L0769: 3, L0526: 3, S3014: 3, L0748: 3, L0750: 3, H0661: 2, H0663: 2, H0392: 2, H0156: 2, H0123: 2, H0033: 2, H0213: 2, H0059: 2, L0763: 2, L0542: 2, H0519: 2, L0751: 2,	16p13.3	141750, 141800, 141800, 141800, 141800, 141850, 141850, 141850, 141850, 141850,

						L0779: 2, L0731: 2, L0757: 2, L0605: 2, L0615: 1, S0342: 1, H0580: 1, S0278: 1, H0550: 1, S0280: 1, L0021: 1, T0048: 1, H0052: 1, H0544: 1, H0545: 1, L0471: 1, H0012: 1, H0620: 1, H0014: 1, N0007: 1, S0051: 1, H0083: 1, H0284: 1, S0250: 1, H0688: 1, H0708: 1, H0080: 1, H0494: 1, H0509: 1, L0770: 1, L0764: 1, L0771: 1, L0376: 1, L0782: 1, L0809: 1, L0545: 1, L0666: 1, H0682: 1, H0659: 1, H0658: 1, H0672: 1, H0696: 1, S0044: 1, H0214: 1, L0743: 1, L0740: 1, L0754: 1, L0777: 1, S0260: 1, S0276: 1 and S0196: 1.		156850, 186580, 191092, 600140, 600273, 601313, 601785
HKZAT03	1038378	662	21 - 1559	2837	Thr-1 to Gly-8, Phe-49 to Leu-67, Gln-142 to Gly-150, Pro-274 to Leu-282,	H0617: 14, H0521: 11, L0794: 4, H0542: 4, H0638: 3, S0360: 3, L0648: 3, L0659: 3,	22q13.33	

					Pro-396 to Leu-402, Arg-405 to Glu-410, Gly-436 to Ala-442, Arg-470 to Pro-476, Pro-481 to Leu-486.	L0665: 3, S0328: 3, H0518: 3, H0423: 3, S0358: 2, H0622: 2, H0641: 2, L0763: 2, L0663: 2, L0664: 2, H0689: 2, H0522: 2, H0555: 2, H0422: 2, H0624: 1, H0585: 1, H0657: 1, H0671: 1, H0402: 1, S0376: 1, H0580: 1, S0278: 1, H0549: 1, H0602: 1, H0586: 1, H0069: 1, H0635: 1, H0581: 1, H0546: 1, H0510: 1, H0179: 1, H0271: 1, H0644: 1, H0606: 1, H0090: 1, H0634: 1, H0551: 1, H0488: 1, H0509: 1, L0640: 1, L0800: 1, L0662: 1, L0804: 1, L0607: 1, L0657: 1, L0809: 1, L0790: 1, L0666: 1, H0593: 1, H0684: 1, H0672: 1, H0710: 1, S0434: 1, S0436: 1 and S0196: 1.			
HDQMA85	1038717	663	228 - 356	2838				12p12.3-p12.1	103950, 112410,

								150100, 168470, 190070, 190070, 200990, 602096
HVCCQ82	1038718	664	3 - 578	2839	Ala-14 to Asp-19, Lys-92 to Arg-110.	L0748: 34, L0777: 15, S0438: 11, S0192: 11, L0608: 7, H0331: 6, H0574: 6, L0771: 6, S0027: 6, L0756: 6, H0632: 5, L0731: 5, S0360: 4, H0427: 4, L0662: 4, L0744: 4, L0779: 4, L0757: 4, S0242: 4, S0354: 3, S0408: 3, H0494: 3, H0509: 3, L0770: 3, L0775: 3, L0809: 3, L0666: 3, H0519: 3, H0648: 3, S3014: 3, S0028: 3, L0750: 3, H0661: 2, S0442: 2, S0358: 2, S0376: 2, S0444: 2, H0013: 2, S0280: 2, H0309: 2, H0545: 2, H0510: 2, H0032: 2, H0551: 2, S0142: 2, S0422: 2, L0774: 2, L0806: 2,	12p12.3-p12.1	103950, 112410, 150100, 168470, 190070, 190070, 200990, 602096

					L0776: 2, L0518: 2, L0532: 2, S0374: 2, H0547: 2, H0435: 2, H0696: 2, S0206: 2, S0032: 2, L0755: 2, L0758: 2, H0668: 2, S0194: 2, H0170: 1, H0685: 1, S0116: 1, H0638: 1, H0339: 1, S0045: 1, S0278: 1, S6022: 1, H0586: 1, H0497: 1, H0486: 1, L0021: 1, H0003: 1, H0147: 1, H0421: 1, H0546: 1, S0050: 1, H0014: 1, H0015: 1, S0051: 1, H0355: 1, H0375: 1, H0031: 1, H0628: 1, H0038: 1, S0014: 1, S0466: 1, S0440: 1, H0633: 1, H0646: 1, S0344: 1, S0210: 1, S0002: 1, L0371: 1, L0638: 1, L0772: 1, L0373: 1, L0764: 1, L0522: 1, L0803: 1, L0526: 1, L0545: 1, L0787: 1, L0790: 1, L0663: 1, H0520: 1, H0593: 1,		

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HTGFP54	1038915	665	22 - 528	2840		H0435: 2, S0218: 1 and H0415: 1.		
HBODF41	1039017	666	1 - 2418	2841		L0747: 26, L0740: 20, L0748: 18, L0752: 14, L0745: 13, L0599: 11, L0659: 8, H0509: 7, L0756: 7, L0777: 7, S0222: 6, S0010: 6, L0764: 6, L0776: 6, L0666: 6, L0754: 6, L0746: 6, H0013: 5, S0346: 5, H0050: 5, L0750: 5, L0758: 5, S0360: 4, H0574: 4, H0632: 4, S0280: 4, L0471: 4, H0039: 4, H0622: 4, L0766: 4, L0774: 4, L0783: 4, H0445: 4, L0366: 4, H0586: 3, H0251: 3, H0014: 3, T0010: 3, H0644: 3, L0769: 3,		

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						S0374: 1, H0593: 1, H0659: 1, S0152: 1, H0696: 1, H0704: 1, H0436: 1, L0609: 1, S0390: 1, S0037: 1, S0027: 1, L0741: 1, L0755: 1, H0444: 1, L0485: 1, L0581: 1, H0667: 1, L0096: 1 and S0194: 1.		
HRODW53	1039068	667	45 - 494	2842	Arg-115 to Gln-127, Leu-137 to Val-150.	L0748: 14, L0766: 11, L0777: 5, L0794: 4, L0803: 4, L0776: 3, L0747: 3, L0749: 3, L0791: 2, L0438: 2, H0435: 2, L0779: 2, L0780: 2, S0192: 2, L0442: 1, S6024: 1, S0134: 1, H0583: 1, S0222: 1, H0421: 1, H0235: 1, H0620: 1, H0598: 1, H0059: 1, T0041: 1, S0426: 1, L0764: 1, L0662: 1, L0774: 1, L0805: 1, L0659: 1, L0809: 1, L0790: 1, L0792: 1, L0666: 1, L0664: 1, H0659: 1, H0670: 1, H0648: 1, L0740: 1,		

						L0750: 1, L0758: 1, S0106: 1 and S0446: 1.			
HPAMC60	1039290	668	1 - 1242	2843	Pro-7 to Pro-17, Leu-20 to Gly-26, Leu-48 to Val-54, Pro-65 to Asn-70, Glu-90 to Ala-95, Ala-102 to Glu-116, Glu-122 to Leu-137, Val-183 to Leu-192, Ala-235 to Ile-256, Gly-264 to Asp-270, Phe-282 to Ile-288, Arg-309 to Ala-314, Asn-330 to Asp-336, Ala-338 to Asp-344, Lys-358 to Lys-367.	H0682: 1	15q22	102578, 109700, 151670, 154550, 601780
HLMHM83	1039491	669	155 - 745	2844	Val-43 to Tyr-48, Pro-50 to Ser-57, Thr-75 to Gly-83, Tyr-95 to Asn-105, Tyr-155 to Trp-163.	H0617: 7, L0771: 6, S0408: 4, S0358: 3, H0638: 2, L0761: 2, L0764: 2, L0655: 2, L0634: 2, L0666: 2, H0435: 2, L0751: 2, L0777: 2, H0506: 2, H0650: 1, H0254: 1, H0255: 1, S0444: 1, H0351: 1, H0549: 1, H0600: 1, H0592: 1, L0022: 1, H0744: 1,		

						H0204: 1, H0231: 1, S0440: 1, L0800: 1, L0643: 1, L0648: 1, L0662: 1, L0776: 1, L0664: 1, S0216: 1, H0690: 1, H0672: 1, S0378: 1, S0406: 1, H0555: 1, L0747: 1 and S0436: 1.	
HOUDK70	1039538	670	84 - 1142	2845	Phe-27 to Gly-32, Tyr-45 to Glu-57, Gly-80 to Asn-89, Ser-182 to Pro-187, Asp-270 to Ser-278, Tyr-288 to Trp-293.	L0748: 13, L0731: 8, H0046: 7, L0740: 7, L0758: 7, L0766: 6, L0665: 5, L0747: 5, L0749: 5, H0135: 4, L0769: 4, L0776: 4, L0659: 4, L0438: 4, L0752: 4, L0757: 4, S0436: 4, H0265: 3, S0222: 3, S0474: 3, H0424: 3, H0040: 3, L0662: 3, L0783: 3, H0672: 3, H0521: 3, L0439: 3, L0750: 3, H0556: 2, H0717: 2, L0415: 2, S0360: 2, H0486: 2, H0575: 2, H0581: 2, H0251: 2, L0738: 2, L0483: 2, H0494: 2, S0440: 2, L0761: 2, L0794: 2,	

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HCYB110	1039579	671	2 - 1042	2846	Pro-29 to Ile-35, Gly-49 to Thr-90, Pro-113 to Val-123, Glu-129 to Lys-146, Glu-151 to Arg-163, Leu-166 to Arg-179.	L0771: 17, H0539: 6, S0440: 3, L0805: 3, L0776: 3, H0547: 3, S0406: 3, L0779: 3, H0012: 2, L0764: 2, L0666: 2, L0663: 2, H0689: 2, L0748: 2, L0758: 2, H0686: 1, S0442: 1, H0549: 1, H0114: 1, H0052: 1,	17q23-q24	106180, 115660, 138700, 139250, 148500, 150200, 154275, 162100, 170500, 170500,

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HMEFK29	1039652	672	643 - 999	2847		H0402: 2, H0570: 1, H0266: 1 and H0666: 1.		
HAOSK79	1039663	673	48 - 659	2848	Asp-10 to Gly-17, Asp-38 to Ser-44, Asn-70 to Thr-79, Gly-81 to Ser-91, Lys-94 to Ala-102, Asp-110 to Ile-116, Asp-152 to Leu-157, Pro-172 to Glu-177.	L0748: 28, L0758: 13, L0769: 7, L0766: 7, S0026: 7, L0749: 6, H0266: 5, H0616: 4, L0750: 4, L0362: 4, H0341: 3, H0658: 3, L0747: 3, H0686: 2, H0318: 2, H0413: 2, H0494: 2, L0646: 2, H0659: 2, L0751: 2, L0731: 2, L0759: 2, L0588: 2, T0002: 1, H0656: 1, H0484: 1, H0661: 1, L0481: 1, H0125: 1, S0045: 1, H0351: 1, H0013: 1,		

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HPDRV42	1039689	674	3 - 1649	2849	Glu-31 to Pro-39, Thr-75 to Glu-80, Ala-131 to Gly-140, Ala-156 to Ala-165, Arg-184 to Phe-189, Asn-221 to Phe-228, Glu-239 to Glu-245, Ser-253 to Asp-261, Thr-267 to Thr-272, Thr-292 to Asp-297, Tyr-313 to Asn-325, Glu-385 to Leu-393,	H0521: 23, S0360: 15, H0046: 14, S0126: 13, L0747: 12, H0551: 11, H0318: 10, S0328: 9, H0542: 9, H0580: 8, H0486: 8, H0581: 8, H0615: 8, S0440: 8, H0660: 8, S0434: 8, H0543: 8, L0664: 7, H0556: 6, S0212: 6, H0494: 6, L0663: 6, S0358: 5, S0476: 5,	15q15	177070, 177070, 182500, 218000, 227220, 243500, 600839, 601800	

				Tyr-400 to Lys-410, Pro-413 to Gly-420, Lys-454 to Leu-463, Pro-501 to Gly-514, Gln-535 to Leu-549.	H0013: 5, H0457: 5, H0553: 5, H0673: 5, H0696: 5, S0406: 5, L0740: 5, L0731: 5, L0596: 5, H0585: 4, H0661: 4, S0418: 4, S0356: 4, S0408: 4, H0575: 4, H0620: 4, H0617: 4, L0764: 4, L0666: 4, L0665: 4, H0519: 4, S3014: 4, S0027: 4, L0752: 4, H0265: 3, H0713: 3, H0657: 3, H0341: 3, H0671: 3, H0638: 3, S0420: 3, S0354: 3, H0619: 3, H0411: 3, H0370: 3, H0586: 3, H0587: 3, H0597: 3, L0471: 3, H0687: 3, S0250: 3, S0003: 3, S0142: 3, H0529: 3, L0662: 3, L0766: 3, L0651: 3, L0659: 3, H0690: 3, S0152: 3, H0436: 3, S0028: 3, L0748: 3, L0750: 3, L0779: 3, L0755: 3, L0757: 3, H0445: 3, S0011: 3, H0423: 3,

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H0263: 2, H0544: 2,
H0012: 2, H0014: 2,
S0314: 2, H0428: 2,
H0039: 2, H0135: 2,
H0087: 2, H0623: 2,
H0059: 2, H0100: 2,
H0509: 2, S0150: 2,
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H0691: 2, H0520: 2,
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H0574: 1, T0039: 1,
H0244: 1, H0427: 1,
S0280: 1, H0098: 1,
H0042: 1, T0082: 1,
H0036: 1, S0346: 1,
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H0373: 1, S0051: 1,
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HOPJD35	1039703	675	2590-1349	2850	Ser-1 to Pro-16, Asn-40 to Gly-46, Pro-48 to Arg-53, Lys-64 to Pro-72, Val-87 to Asp-93, Asp-109 to Tyr-118, Glu-157 to Pro-172, Pro-178 to Gly-188, Glu-252 to Leu-263, Thr-266 to Leu-273, Glu-296 to Ala-310, Glu-312 to Gln-318, Glu-324 to Asn-340, Glu-344 to Gly-373, Glu-383 to Asn-395, Val-399 to Glu-414.	L0662: 7, H0013: 5, L0766: 5, L0803: 4, L0655: 4, L0665: 4, L0740: 4, L0731: 4, H0677: 4, T0042: 3, L0776: 3, L0809: 3, H0519: 3, L0750: 3, L0759: 3, H0543: 3, H0170: 2, L0470: 2, H0341: 2, S0360: 2, H0266: 2, H0551: 2, L0351: 2, H0529: 2, L0646: 2, L0521: 2, L0651: 2, L0659: 2, L0663: 2, L0664: 2, H0547: 2, H0659: 2, L0602: 2, H0518: 2, H0522: 2, S0406: 2, L0748: 2, L0747: 2,		

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HTFNP84	1039748	676	70 - 1227	2851	Tyr-11 to Val-16, Glu-37 to Arg-42, Asn-50 to Arg-58, Leu-82 to Leu-96, Glu-112 to Gln-120.	AR096: 1, AR089: 1, AR055: 1, AR053: 1, AR033: 1, AR061: 1, AR060: 0, AR104: 0, AR039: 0, AR052: 0 L0766: 16, S0440: 7, L0646: 7, H0547: 6, H0659: 5, L0749: 5, L0759: 5, H0650: 4, S0410: 4, S0422: 4, S0374: 4, H0341: 3, H0032: 3, H0040: 3, H0529: 3, L0804: 3,		

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HTHDT76	1039871	677	1 - 603	2852	Gln-16 to Ser-24.	S0420: 1, H0600: 1, H0587: 1, H0013: 1, H0428: 1, H0644: 1, H0063: 1, H0386: 1 and L0747: 1.		
HSYEC21	1039891	678	411 - 2372	2853		H0521: 9, L0439: 9, L0747: 8, L0655: 6, L0748: 6, S0212: 5, S6028: 4, L0483: 4, L0794: 4, L0766: 4,	12q21-q23	124200, 147440, 160781, 217300, 235800,

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HKGCO25	1040384	679	3 - 719	2854	Glu-53 to Phe-58, Arg-70 to Phe-79, Ile-94 to Val-102, Thr-106 to Thr-118, Glu-139 to Asp-149, Asp-183 to Lys-215.		
HNOJN70	1040385	680	273 - 425	2855		L0766: 12, L0759: 8, H0171: 6, L0754: 6, L0731: 6, H0624: 5, H0584: 5, H0031: 5, S0422: 5, L0663: 5, H0547: 5, L0756: 5, S0276: 5, H0686: 4, S0474: 4, L0662: 4,	

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H0457: 3, H0090: 3,
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L0650: 3, L0805: 3,
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H0306: 2, H0402: 2,
S0358: 2, S0360: 2,
H0574: 2, T0060: 2,
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S0356: 1, S0376: 1,

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HADFS31	1040388	681	440 - 832	2856	Ser-23 to Ser-34, Lys-48 to Glu-53, Cys-78 to Asn-88, Ala-108 to Asp-113, Glu-124 to Pro-131.	L0439: 13, L0438: 8, L0731: 7, L0756: 6, L0803: 4, L0754: 4, L0750: 4, S0358: 3, H0716: 2, H0427: 2, L0766: 2, L0659: 2, L0783: 2, H0435: 2, H0660: 2, L0755: 2, L0758: 2, S0436: 2, S0342: 1, H0650: 1, L0443: 1, S0442: 1, S0360: 1, H0587: 1, H0632: 1, L0021: 1, T0082: 1, H0051: 1, S6028: 1, H0090: 1, H0646: 1, L0640: 1, L0770: 1, L0794: 1, L0804: 1, L0805: 1, L0809: 1, L0647: 1,		

						L0789: 1, L0666: 1, L0663: 1, H0690: 1, H0659: 1, H0670: 1, S0328: 1, S0028: 1, L0747: 1 and L0752: 1.			
HJBDC89	1040569	682	1418 - 726	2857	Gly-11 to Pro-17, Ser-61 to Gly-68, Val-103 to Leu-108, His-157 to Pro-162, Glu-197 to Pro-203, Gly-207 to Thr-213.	L0439: 5, L0749: 5, L0770: 4, L0764: 4, L0438: 4, S0126: 4, L0758: 4, S0358: 3, L0768: 3, L0774: 3, L0783: 3, H0660: 3, S0152: 3, L0752: 3, L0755: 3, L0731: 3, L0592: 3, S0026: 3, H0656: 2, S0360: 2, S0010: 2, H0050: 2, H0169: 2, T0042: 2, L0775: 2, L0518: 2, L0809: 2, L0664: 2, L0665: 2, H0672: 2, L0754: 2, H0543: 2, L0615: 1, H0686: 1, S0116: 1, S0420: 1, S0408: 1, T0112: 1, H0156: 1, H0575: 1, H0706: 1, H0546: 1, H0572: 1, H0123: 1, L0471: 1, H0024: 1, H0373: 1, S0388: 1, T0010: 1, H0510: 1,	14q24.1-q24.3	104311, 109150, 182600, 245200, 601208

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HTAIX75	1040591	683	129 - 557	2858	Lys-34 to His-39.	AR055: 14, AR033: 8, AR052: 8, AR096: 7, AR053: 7, AR061: 7, AR089: 6, AR060: 6, AR104: 3, AR039: 2 L0662: 2, L0804: 2, L0748: 2, L0439: 2, L0779: 2, S0360: 1, H0635: 1, H0457: 1, H0179: 1, L0763: 1,		

						L0646: 1, L0645: 1, L0766: 1, L0659: 1 and H0658: 1.			
HODBO29	1040620	684	3 - 413	2859		H0373: 2, H0328: 2, H0428: 2, L0769: 2, L0439: 2, T0002: 1, S0376: 1, H0489: 1, S0278: 1, H0550: 1, H0253: 1, H0052: 1, H0063: 1, H0131: 1, L0764: 1, L0766: 1, L0352: 1, S0126: 1, S0380: 1, L0740: 1, L0747: 1, L0752: 1, L0592: 1, L0595: 1 and H0542: 1.			
HOCOF27	1040631	685	76 - 687	2860		H0264: 1, L0766: 1, H0660: 1 and H0539: 1.			
HSPSE88	1040694	686	2 - 922	2861		L0749: 7, S0026: 6, H0616: 4, L0766: 4, L0803: 4, L0665: 4, L0748: 4, L0740: 4, H0624: 3, H0170: 3, H0657: 3, S0358: 3, S0003: 3, L0455: 3, L0498: 3, L0809: 3, L0666: 3, H0659: 3, H0423: 3, S0442: 2, H0083: 2, H0038: 2, L0500: 2, L0764: 2,	11p15	108985, 186921, 602092	

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HSKXM78	1040826	687	1 - 354	2862	Pro-19 to Asn-26, His-58 to Pro-63.	H0556: 2, H0650: 1, S0376: 1, S0474: 1, H0038: 1, H0529: 1, H0683: 1, S3014: 1, S0206: 1, L0740: 1 and L0591: 1.			
HNLMB92	1040913	688	352 - 753	2863	Ala-1 to Gly-21, Pro-28 to Gln-35.	S0358: 8, S0010: 5, S3014: 5, S0126: 4, H0333: 3, T0067: 3, H0547: 3, L0747: 3, S0045: 2, H0486: 2, H0599: 2, S0346: 2, L0471: 2, H0428: 2,	X		

						H0616: 2, H0658: 2, S0028: 2, L0742: 2, H0170: 1, S0116: 1, H0449: 1, S0418: 1, S6026: 1, H0550: 1, S0222: 1, H0438: 1, T0040: 1, H0013: 1, H0156: 1, T0082: 1, H0196: 1, H0251: 1, H0530: 1, H0150: 1, H0023: 1, H0266: 1, H0687: 1, H0615: 1, T0006: 1, H0031: 1, H0068: 1, H0551: 1, H0100: 1, T0041: 1, S0150: 1, H0652: 1, S0144: 1, H0529: 1, L0543: 1, H0144: 1, S0374: 1, H0691: 1, H0520: 1, H0689: 1, H0684: 1, H0670: 1, H0660: 1, H0672: 1, H0539: 1, S3012: 1, S0027: 1, L0744: 1, L0754: 1, L0749: 1, L0750: 1, L0752: 1, L0755: 1, L0731: 1, L0757: 1 and S0194: 1.		
HE8ON57	1040925	689	577 - 149	2864	Pro-18 to Asp-25.	H0619: 1, H0013: 1, L0794: 1 and L0788: 1.		

HOCOC14	1040932	690	494 - 1384	2865	Leu-32 to Lys-43, Phe-92 to Arg-98, Glu-118 to Thr-136, Pro-173 to Tyr-178, Pro-215 to Asn-222, Leu-230 to Asn-235	H0556: 8, L0758: 7, L0593: 7, H0542: 7, L0601: 6, L0747: 5, H0618: 4, H0620: 4, H0617: 4, H0494: 4, L0751: 4, S0420: 3, S0046: 3, H0622: 3, H0087: 3, L0766: 3, H0690: 3, H0670: 3, S0328: 3, L0748: 3, L0754: 3, L0731: 3, H0543: 3, H0265: 2, H0650: 2, H0484: 2, H0255: 2, S0418: 2, H0549: 2, H0333: 2, H0024: 2, H0551: 2, S0150: 2, L0764: 2, L0662: 2, L0375: 2, L0663: 2, L0665: 2, H0660: 2, H0521: 2, S0146: 2, L0741: 2, L0779: 2, L0361: 2, L0603: 2, H0422: 2, H0170: 1, S0040: 1, H0295: 1, H0294: 1, H0657: 1, H0656: 1, H0341: 1, S0212: 1, H0661: 1, S0442: 1, S0354: 1, S0360: 1, L0717: 1,	19q13.1	164731, 172400, 172400, 180901, 180901, 221770, 248600, 600918, 602716

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HOGDP49	1041049	691	1 - 489	2866	Pro-6 to Gly-12, Ala-30 to Arg-35, Arg-90 to Thr-102, Phe-112 to Asp-120, Asn-157 to Thr-163.	H0265: 2, H0556: 1, S0418: 1, S0376: 1, T0060: 1, S0280: 1, H0615: 1, H0628: 1, H0059: 1, H0100: 1, L0438: 1, S0126: 1, H0435: 1 and H0660: 1.			
HOFMK22	1041070	692	3 - 359	2867	Asp-22 to Val-42, Phe-50 to Tyr-55, Leu 65 to Gln-70.	H0415: 2			
HBGNT69	1041900	693	808 - 383	2868	Glu-20 to Ser-27, Ala-49 to Pro-55, Phe-66 to Asp-71, Ala-77 to Val-83, Pro-85 to Tyr-103, Pro-135 to Ala-142.	H0052: 3, H0617: 3, H0135: 3, H0012: 2, H0253: 1, S0210: 1, L0659: 1 and L0779: 1.			
HSPSI42	1042462	694	3684 - 283	2869	Pro-5 to Ser-12.	L0666: 16, L0751: 15,	Xp11.23	300047,	

			Arg-20 to Lys-35, Gly-45 to Gly-56, Pro-81 to Cys-99, Arg-195 to Ser-207, Ser-287 to Pro-292, Thr-301 to Gly-306, Asn-336 to Met-341, Ser-357 to Arg-364, Cys-416 to Asp-430, Gln-450 to Asp-455, Pro-509 to Thr-516, Arg-523 to Gly-529, Lys-541 to Lys-546, Ser-623 to Arg-634, Tyr-636 to Gln-642, Asp-661 to Leu-671, Glu-692 to Lys-703, Gln-734 to Tyr-742, Thr-792 to Ile-798, Pro-806 to Thr-811, Phe-875 to Gly-880, Ser-886 to Gln-891, Val-897 to Glu-903, Glu-926 to Asn-932, Arg-945 to Asp-950, Pro-952 to Lys-958, Gly-991 to Gly-1001, Pro-1019 to Trp-	L0596: 8, S0010: 7, L0734: 7, L0731: 7, L0758: 7, L0595: 7, S0007: 6, L0741: 6, L0591: 6, H0556: 5, H0622: 5, L0662: 5, L0665: 5, L0743: 5, L0748: 5, L0745: 5, L0747: 5, H0657: 4, L0771: 4, L0663: 4, L0664: 4, H0689: 4, L0742: 4, L0439: 4, L0592: 4, L0362: 4, S0276: 4, H0661: 3, H0176: 3, H0545: 3, H0178: 3, H0424: 3, L0369: 3, L0766: 3, L0659: 3, H0547: 3, S0406: 3, L0750: 3, L0599: 3, L0361: 3, L0601: 3, H0543: 3, T0049: 2, H0484: 2, S0420: 2, S0360: 2, L0717: 2, H0370: 2, H0333: 2, H0635: 2, H0318: 2, H0196: 2, H0085: 2, H0546: 2, H0050: 2, T0010: 2, H0428: 2, H0213: 2, H0674: 2, H0591: 2,		300071, 300110, 300600, 301000, 301000, 301830, 309470, 309500, 309610, 309850, 311050, 312060

				1028, Lys-1082 to Met-1091, Val-1098 to Gly-1104, Cys-1116 to Glu-1122.	H0100: 2, S0142: 2, L5575: 2, L0372: 2, L0764: 2, L0774: 2, L0775: 2, L0378: 2, L0776: 2, L0657: 2, L0636: 2, H0144: 2, L0565: 2, H0690: 2, H0660: 2, S3014: 2, S0028: 2, L0746: 2, L0749: 2, L0752: 2, L0753: 2, S0436: 2, L0588: 2, L0608: 2, S0026: 2, H0352: 2, H0395: 1, H0713: 1, L0785: 1, H0483: 1, S0418: 1, S0442: 1, H0733: 1, H0208: 1, S0045: 1, H0393: 1, H0351: 1, S0278: 1, H0549: 1, L0622: 1, T0039: 1, H0250: 1, H0618: 1, T0048: 1, H0581: 1, H0596: 1, L0040: 1, H0597: 1, H0544: 1, L0041: 1, H0086: 1, N0006: 1, H0620: 1, H0057: 1, H0051: 1, S0051: 1, H0083: 1, H0594: 1, H0188: 1, H0039: 1,		

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H0604: 1, H0405: 1,
H0181: 1, H0617: 1,
H0169: 1, L0455: 1,
H0135: 1, H0038: 1,
H0087: 1, T0067: 1,
H0412: 1, H0413: 1,
H0059: 1, T0069: 1,
T0004: 1, L0351: 1,
T0041: 1, S0440: 1,
H0641: 1, S0422: 1,
H0529: 1, L0536: 1,
L0535: 1, L0638: 1,
L0637: 1, L0646: 1,
L0521: 1, L0794: 1,
L0650: 1, L0376: 1,
L0653: 1, L0655: 1,
L0606: 1, L0635: 1,
L0518: 1, L0382: 1,
L0809: 1, L0519: 1,
L0541: 1, L0790: 1,
L0793: 1, L0532: 1,
H0723: 1, H0520: 1,
H0593: 1, H0683: 1,
H0684: 1, H0659: 1,
H0648: 1, H0672: 1,
H0521: 1, H0696: 1,
H0694: 1, S0037: 1,
L0744: 1, L0740: 1,
L0780: 1, L0757: 1,

						L0759: 1, H0445: 1, L0587: 1, L0589: 1, L0593: 1, L0594: 1, S0106: 1, S0011: 1, H0136: 1, H0423: 1 and H0293: 1.		
HPDQD23	1042649	695	174 - 344	2870	Leu-17 to Glu-22, Pro-44 to Gly-51.	H0657: 4, H0687: 2, H0658: 2, H0422: 2, H0222: 1, H0581: 1, S0050: 1, H0412: 1, H0641: 1, H0538: 1, L0648: 1, L0662: 1, L0766: 1, L0775: 1, L0805: 1, L0809: 1, L0438: 1, H0689: 1, S0328: 1, H0525: 1, L0439: 1 and L0755: 1.		
HWMBA10	1042859	696	39 - 476	2871	Pro-18 to Pro-24, Thr-45 to Gly-54, Ser-60 to Ser-67, Ala-82 to His-92, Pro-94 to Ser-106, Pro-126 to Arg-133.	S0410: 52, H0617: 5, L0774: 4, S0408: 3, H0360: 3, H0486: 3, L0809: 3, S0380: 3, L0751: 3, L0749: 3, L0361: 3, S0358: 2, S0376: 2, S0360: 2, L0764: 2, L0779: 2, L0752: 2, H0484: 1, H0483: 1, S0442: 1, H0734: 1, H0370: 1, H0257: 1, L0623: 1, H0599: 1, H0575: 1,	12q22	147440, 201470, 235800, 273300

						H0706: 1, H0744: 1, H0231: 1, L0163: 1, H0083: 1, H0510: 1, H0606: 1, H0038: 1, T0067: 1, S0438: 1, S0422: 1, L0770: 1, L0803: 1, L0806: 1, L0776: 1, L0792: 1, L0793: 1, H0660: 1, S0406: 1, H0631: 1, L0750: 1, L0777: 1, H0445: 1, S0436: 1, H0543: 1 and S0424: 1.	
HACNG39	1042871	697	2534 - 900	2872	Asp-16 to Ser-25, Arg-52 to Lys-74, Ile-102 to Asn-109, Asp-138 to Gly-149, Ser-161 to Thr-168, Asn-225 to Arg-235, Asn-247 to Lys-256, His-302 to Cys-311, Ile-324 to Ser-347, Cys-355 to Tyr-361, Cys-365 to Pro-375, Ile-389 to Gln-398, Ile-429 to His-502, Thr-505 to Asp-533, Lys-539 to Ser-545.	L0805: 5, L0766: 4, H0341: 3, S0440: 3, H0650: 2, H0656: 2, H0156: 2, S0003: 2, H0591: 2, H0264: 2, H0560: 2, L0598: 2, S0374: 2, L0438: 2, L0749: 2, L0752: 2, H0423: 2, H0685: 1, H0449: 1, H0458: 1, L0005: 1, S0444: 1, S0408: 1, H0580: 1, H0619: 1, H0486: 1, H0013: 1, H0581: 1, H0194: 1, T0103: 1, H0083: 1, H0551: 1, H0477: 1, H0488: 1,	

						S0464: 1, L0773: 1, L0803: 1, L0776: 1, L0657: 1, L0789: 1, L0665: 1, H0547: 1, H0670: 1, S3012: 1, L0748: 1, L0779: 1, L0777: 1, L0758: 1, S0436: 1, S0194: 1 and H0422: 1.		
HETKL27	1042951	698	32 - 676	2873	Arg-11 to Gly-36.	AR089: 1, AR060: 1, AR055: 1, AR096: 1, AR053: 0, AR061: 0, AR033: 0, AR104: 0, AR039: 0 L0439: 19, H0046: 11, L0659: 8, L0752: 7, L0662: 6, H0435: 6, H0648: 6, L0803: 5, S0356: 4, S0440: 4, L0794: 4, L0663: 4, H0539: 4, S0152: 4, L0747: 4, L0779: 4, H0661: 3, S0360: 3, S0408: 3, H0598: 3, L0809: 3, L0665: 3, S0374: 3, L0438: 3, L0751: 3, L0731: 3, L0362: 3, H0171: 2, S0358: 2, S0376: 2, H0676: 2, H0393: 2,		

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T0067: 2, H0646: 2,
L0646: 2, L0764: 2,
L0364: 2, L0775: 2,
L0806: 2, L0657: 2,
L0788: 2, L0666: 2,
H0659: 2, H0666: 2,
S0330: 2, L0748: 2,
L0745: 2, L0750: 2,
L0777: 2, L0759: 2,
L0599: 2, L0608: 2,
L0411: 1, H0686: 1,
S0444: 1, H0441: 1,
H0333: 1, T0109: 1,
L0022: 1, H0575: 1,
S0010: 1, S0346: 1,
H0596: 1, L0738: 1,
S6028: 1, H0688: 1,
T0023: 1, T0006: 1,
H0644: 1, H0165: 1,
H0040: 1, H0494: 1,
S0466: 1, S0438: 1,
L0762: 1, L0640: 1,
L0772: 1, L0800: 1,
L0648: 1, L0389: 1,
L0805: 1, L0653: 1,
L0776: 1, L0382: 1,
L0789: 1, L0532: 1,
L0664: 1, H0547: 1,
H0689: 1, H0690: 1,

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HPCTH04	1043273	699	3 - 494	2874	H0638: 73, H0641: 67, S0358: 25, H0521: 24, L0747: 23, S0408: 17, S0360: 16, H0659: 14, L0748: 13, L0731: 13, H0250: 12, H0494: 12, L0757: 12, S0444: 11, S0026: 11, S0440: 10, S0328: 10, S0206: 9, S0132: 8, S0144: 8, S0007: 7, H0574: 7, S0374: 7, S0126: 7, S0330: 7, L0754: 7, L0749: 7, H0140: 6, H0545: 6, H0316: 6, S0142: 6, L0775: 6, H0522: 6, S0242: 6, H0657: 5, S0046: 5, H0486: 5, S0406: 5, S0027: 5, L0750: 5, S0040: 4, S0442: 4, H0546: 4, H0684: 4, H0648: 4, S3012: 4,	9q31	109400, 132800, 132800, 186855, 223900, 253800, 253800, 278700, 602088

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					H0647: 1, H0646: 1, H0652: 1, S0344: 1, S0002: 1, L0598: 1, H0529: 1, L0520: 1, L0645: 1, L0773: 1, L0521: 1, L0626: 1, L0766: 1, L0649: 1, L0522: 1, L0653: 1, L0654: 1, L0379: 1, L0657: 1, L0559: 1, L0526: 1, L0782: 1, L0382: 1, L0519: 1, L0647: 1, S0052: 1, H0144: 1, H0435: 1, H0658: 1, H0672: 1, S0378: 1, S0152: 1, H0523: 1, H0187: 1, H0627: 1, H0631: 1, S0028: 1, S0032: 1, L0759: 1, S0260: 1, S0434: 1, L0608: 1, H0668: 1, H0665: 1, H0136: 1, S0192: 1, S0196: 1, S0424: 1, S0462: 1, H0506: 1, H0293: 1 and H0352: 1.		
HOCPK85	1043351	700	1216 - 305	2875	L0777: 16, L0779: 11, L0748: 10, S0358: 7, H0494: 7, L0759: 6, L0362: 6, H0529: 5,	19q12-q13.1	164731, 172400, 172400, 180901,	

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HVVBM94	1043532	701	1 - 852	2876	Lys-1 to Cys-12, Gln-51 to Leu-56, Asp-63 to Asn-70, Lys-75 to Gln-80, Pro-116 to Thr-122, Gly-181 to Gly-190, Asp-210 to Gly-218,	H0656: 16, S0360: 12, H0445: 10, H0059: 9, L0659: 8, L0662: 7, L0748: 7, H0650: 6, H0341: 6, H0318: 6, L0731: 6, S0376: 5, S0440: 5, S0380: 5,	11q21-q22		105580, 133780, 203100, 203100, 602574, 602574

				Thr-252 to Ile-268, Leu-274 to Lys-284.	H0657: 4, H0125: 4, L0655: 4, L0666: 4, S0358: 3, H0486: 3, H0014: 3, H0648: 3, L0602: 3, H0255: 2, H0602: 2, H0039: 2, H0622: 2, H0264: 2, L0763: 2, L0766: 2, L0774: 2, L0806: 2, L0776: 2, L0665: 2, H0672: 2, S0328: 2, H0134: 2, H0555: 2, L0743: 2, H0671: 1, H0402: 1, H0638: 1, S0007: 1, H0592: 1, H0250: 1, H0635: 1, H0599: 1, H0108: 1, H0004: 1, H0597: 1, H0231: 1, H0046: 1, H0169: 1, H0316: 1, T0042: 1, H0646: 1, L0762: 1, L0800: 1, L0767: 1, L0768: 1, L0387: 1, L5574: 1, L0527: 1, L0657: 1, L0634: 1, L0809: 1, L0792: 1, L0663: 1, H0690: 1, H0682: 1, H0435: 1, H0659: 1, S0378: 1, H0694: 1,

						L0747: 1, L0749: 1, L0779: 1, L0755: 1, S0308: 1 and H0506: 1.			
HVVBC43	1043553	702	2754-2083	2877	Arg-3 to Thr-10, Arg-26 to Gly-42, Asn-46 to Ser-59, Glu-106 to Ala-122, Ser-129 to Asp-139, Thr-144 to Thr-156, Leu-197 to Thr-206, Pro-208 to Tyr-219.	L0717: 10, L0748: 9, L0439: 8, H0623: 7, H0052: 6, H0013: 5, L0776: 5, L0438: 5, L0740: 5, H0521: 4, L0756: 4, H0265: 3, H0556: 3, S0360: 3, L0010: 3, H0620: 3, L0662: 3, L0665: 3, H0522: 3, S0116: 2, S0418: 2, S0358: 2, S0046: 2, H0635: 2, H0575: 2, H0590: 2, S0010: 2, L0109: 2, L0471: 2, H0428: 2, H0622: 2, H0031: 2, H0038: 2, H0264: 2, H0059: 2, S0015: 2, H0641: 2, L0770: 2, L0769: 2, L0773: 2, L0774: 2, L0655: 2, L0659: 2, L0789: 2, S0126: 2, S0037: 2, L0744: 2, L0747: 2, L0779: 2, L0758: 2, L0601: 2, H0170: 1, H0686: 1, S0040: 1,	4p16.3		134934, 134934, 134934, 134934, 134934, 143100, 180072, 180072, 194190, 252800, 252800, 252800, 600965

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HTPDM31	1044199	703	1010 - 3	2878	Ser-49 to Leu-55, Pro-151 to Asp-157, Ala-168 to Arg-184, Pro-191 to Pro-215, Pro-232 to Pro-240, Pro-255 to Arg-268.	H0617: 6, L0666: 3, H0188: 2, H0181: 2, H0196: 1, H0039: 1, H0673: 1, L0373: 1, L0775: 1, L0659: 1, L0809: 1, L0789: 1, L0663: 1, L0665: 1, H0658: 1, S0330: 1, S0378: 1 and S0406: 1.		
HSQEK12	1044577	704	35 - 439	2879	Ala-1 to Asp-16.	L0748: 5, L0439: 5, L0751: 3, L0777: 3, L0758: 2, L0596: 2, L0603: 2, S0001: 1, S0278: 1, H0581: 1, H0052: 1, H0123: 1, H0620: 1, S0388: 1, H0628: 1, H0040: 1, H0616: 1, H0646: 1, L0763: 1, L0770: 1,		

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HPDRZ16	1044618	705	187 - 834	2880	Pro-16 to Ala-22, Ala-26 to Val-31, Ser-66 to Val-73, Ala-80 to Pro-90, Glu-127 to Ala-135, Glu-142 to Glu-161, Leu-166 to Trp-173, Pro-176 to Gln-183, Arg-204 to Asp-211.	L0766: 14, L0769: 12, L0774: 10, L0770: 8, L0740: 7, L0759: 7, H0484: 5, H0617: 5, L0803: 5, L0751: 5, L0747: 5, H0483: 4, S0358: 4, H0670: 4, L0780: 4, L0731: 4, H0445: 4, S0436: 4, H0341: 3, H0618: 3, H0251: 3, H0546: 3, H0087: 3, L0761: 3, L0800: 3, L0794: 3, L0789: 3, H0672: 3, L0743: 3, L0750: 3, L0757: 3, H0728: 2, H0733: 2, S0474: 2, H0545: 2, H0620: 2, H0024: 2, H0428: 2, H0649: 2, L0772: 2,	Xq13.1	304040, 305100, 305450, 309605, 312760, 314250, 314580

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L0755: 2, H0444: 2,
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S0298: 1, S0212: 1,
H0661: 1, H0306: 1,
S0420: 1, S0442: 1,
S0354: 1, S0360: 1,
S0408: 1, H0730: 1,
S0045: 1, S0278: 1,
H0592: 1, H0257: 1,
H0250: 1, H0069: 1,
H0427: 1, S0280: 1,
H0156: 1, H0599: 1,
H0253: 1, H0581: 1,
H0309: 1, H0544: 1,
H0563: 1, H0569: 1,
H0012: 1, H0373: 1,
H0051: 1, H0510: 1,
H0416: 1, H0292: 1,
H0252: 1, H0615: 1,
H0606: 1, H0708: 1,
H0264: 1, S0438: 1,
S0440: 1, S0144: 1,
S0422: 1, L0763: 1,
L0638: 1, L0773: 1,
L0648: 1, L0649: 1,

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HVCBC44	1044635	706	3 - 896	2881	Ala-1 to Gln-8, Lys-18 to Arg-23, Lys-56 to Val-64, Lys-129 to Ala-140, Pro-149 to Asn-155.		H0666: 70, L0766: 3, L0665: 3, H0596: 2, L0794: 2, L0747: 2, H0624: 1, H0656: 1, L0717: 1, H0013: 1, H0318: 1, H0169: 1, L0643: 1, L0645: 1, L0764: 1, L0804: 1, L0657: 1, H0660: 1, L0757: 1, L0588: 1, L0592: 1, L0595: 1 and L0601: 1.	
HPIAC22	1044711	707	701 - 1741	2882			L0745: 23, L0770: 2, S0150: 1, L0761: 1,	

							L0788: 1, H0520: 1, L0746: 1, L0747: 1, L0758: 1 and L0759: 1.		
HSODA53	1044741	708	855 - 995	2883			AR055: 11, AR060: 6, AR033: 5, AR052: 4, AR061: 4, AR104: 4, AR096: 4, AR089: 4, AR039: 3, AR053: 3 H0328: 2, H0124: 2, L0766: 2, H0171: 1, L0005: 1, S0360: 1, H0329: 1, H0615: 1, H0477: 1, S0440: 1, L0598: 1, H0547: 1, S0126: 1, S0168: 1 and H0595: 1.		
HE9ML74	1044760	709	3 - 959	2884	Asp-8 to Asp-20, Phe-43 to Arg-52, Ser-102 to Asp-107, His-109 to Asp-124, Phe-131 to Lys-136, Pro-143 to Pro-149, Lys-189 to Leu-200, Asn-305 to Trp-310.		AR033: 5, AR060: 4, AR096: 4, AR089: 2, AR053: 1, AR061: 1, AR052: 1, AR055: 0, AR104: 0 L0803: 9, L0758: 7, L0439: 6, L0740: 5, L0766: 4, L0666: 4, L0663: 4, L0754: 4, L0747: 4, L0804: 3, H0144: 3, L0750: 3, L0756: 3, L0752: 3, L0600: 3, S0003: 2, L0455: 2, S0366: 2,		

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HPDRB76	1044762	710	145 - 855	2885	Glu-14 to Gly-20, Gly-30 to Ala-37, Glu-121 to Leu-127, Lys-152 to Tyr-157, Glu-159 to Thr-173, Leu-177 to Lys-186.	L0747: 8, S0358: 6, L0766: 5, L0774: 5, L0750: 5, L0666: 4, S0406: 4, L0731: 4, H0341: 3, H0696: 3, L0748: 3, L0758: 3, H0650: 2, S0356: 2, S0410: 2, L0717: 2, H0014: 2, L0667: 2, L0768: 2, L0775: 2, L0659: 2, L0783: 2, H0659: 2, H0648: 2, S0330: 2, H0539: 2, L0742: 2, L0439: 2, L0745: 2, L0757: 2, L0759: 2, L0592: 2, L0599: 2, L0595: 2, H0657: 1, S0212: 1, H0662: 1, H0125: 1, S0420: 1, S0354: 1, S0444: 1, S0132: 1, S0476: 1, H0370: 1, L0181: 1, H0069: 1, H0427: 1, L0021: 1, H0575: 1, H0318: 1, S0214: 1, H0039: 1,	1p34	130500, 133200, 138140, 168360, 171760, 171760, 176100, 176100, 178300, 230000, 255800

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HSYDJ55	1044769	711	231 - 1070	2886	Thr-52 to Glu-63, Lys-108 to Asn-118, Gly-148 to Ile-154, Glu-178 to Thr-183, Ala-185 to Arg-195, Lys-202 to Lys-207, Lys-209 to Arg-222, Ser-226 to Glu-233.	AR052: 16, AR053: 9, AR033: 5, AR089: 4, AR096: 3, AR060: 3, AR104: 2, AR055: 2, AR039: 1, AR061: 1 H0651: 11, L0794: 8, H0038: 5, L0805: 4, L0758: 4, S0358: 3, S0476: 3, L0766: 3, L0803: 3, L0665: 3, H0144: 3, H0521: 3, L0748: 3, L0740: 3, L0756: 3, H0222: 2,	

						S0027: 1, L0439: 1, L0749: 1, L0779: 1, L0777: 1, L0731: 1, L0757: 1, H0444: 1, H0445: 1, S0026: 1, S0242: 1, S0194: 1 and H0423: 1.	
HOGC131	1044821	712	49 - 558	2887		H0435: 1 and S0424: 1.	
HNOKX86	1044893	713	69 - 575	2888		L0740: 20, L0754: 14, L0742: 9, L0771: 7, L0748: 7, L0749: 7, L0752: 6, S0422: 5, L0770: 5, H0585: 4, S0360: 4, H0581: 4, L0769: 4, L0775: 4, S0374: 4, H0521: 4, L0747: 4, L0779: 4, L0753: 4, L0758: 4, H0295: 3, S0278: 3, S0440: 3, S0002: 3, L0649: 3, L0806: 3, S0126: 3, S0380: 3, S0434: 3, S0436: 3, S0026: 3, H0170: 2, H0661: 2, S0358: 2, S0045: 2, H0370: 2, H0442: 2, H0318: 2, S0474: 2, H0687: 2, S0003: 2, H0551: 2, S0438: 2, H0509: 2,	

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HTPHG81	10451177	714	2112 - 577	2889	Thr-19 to Ala-26.	AR039: 19, AR053: 13, AR096: 10, AR052: 9, AR055: 9, AR033: 9, AR089: 8, AR104: 7, AR060: 7, AR061: 6		

						H0553: 2, S0282: 1, S0049: 1, H0052: 1, H0622: 1, H0040: 1 and S0406: 1.		
HPCTV49	1045379	715	34 - 444	2890	Ser-21 to Pro-28, Pro-36 to Ser-63, Gln-67 to Thr-83, Arg-88 to Thr-94, Pro-106 to Lys-111, Gly-125 to Gly-132.	S0358: 17, S0360: 7, L0604: 7, L0769: 5, L0497: 5, L0655: 5, L0590: 4, H0543: 4, L0622: 3, L0499: 3, L0775: 3, H0659: 3, H0670: 3, L0757: 3, L0588: 3, L0601: 3, S0276: 3, S0114: 2, H0657: 2, S0007: 2, H0586: 2, T0109: 2, T0048: 2, H0327: 2, L0471: 2, H0494: 2, L0770: 2, L0662: 2, L0527: 2, L0513: 2, L0530: 2, H0144: 2, H0689: 2, H0672: 2, H0521: 2, L0750: 2, L0755: 2, L0731: 2, L0596: 2, L0599: 2, L0608: 2, L0440: 1, T0049: 1, H0341: 1, H0483: 1, H0125: 1, H0580: 1, S0045: 1, H0351: 1, H0411: 1, S0222: 1, L0623: 1,		

						L0361: 1, S0026: 1, H0667: 1 and H0542: 1.		
HHGDK68	1045464	716	121 - 999	2891	Arg-128 to Asp-133, Lys-155 to Gln-164, Tyr-168 to Leu-174, Glu-190 to Leu-197, Pro-213 to Arg-224, Met-226 to Ser-241, Pro-247 to Ser-255.		22q13.1	103050, 103050, 124030, 124030, 138981, 182380, 188826, 190040, 190040, 190040
HNOKM38	1045500	717	5155 - 3330	2892	Gln-12 to His-23.	L0731: 21, L0747: 17, L0776: 16, L0748: 14, L0777: 14, L0752: 13, L0755: 13, L0769: 11, L0750: 11, L0766: 10, L0806: 8, L0770: 7, H0556: 5, L0599: 5, L0774: 4, L0756: 4, L0779: 4, L0753: 4, H0341: 3, L0761: 3, L0764: 3, L0771: 3, L0809: 3, H0144: 3, L0743: 3, L0754: 3, L0757: 3, H0265: 2, S0134: 2, H0306: 2, H0402: 2, H0580: 2, H0393: 2, H0369: 2, H0441: 2, H0013: 2,		

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H0644: 2, H0135: 2,
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L0759: 2, L0587: 2,
L0591: 2, L0603: 2,
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H0483: 1, H0254: 1,
H0663: 1, S0046: 1,
H0440: 1, H0411: 1,
H0550: 1, H0370: 1,
H0333: 1, H0574: 1,
T0039: 1, H0036: 1,
H0545: 1, H0150: 1,
H0083: 1, H0399: 1,
H0355: 1, H0179: 1,
H0271: 1, H0615: 1,
H0622: 1, T0006: 1,
H0553: 1, H0166: 1,
H0169: 1, H0674: 1,
L0456: 1, S0036: 1,
H0040: 1, H0634: 1,
H0100: 1, H0560: 1,
H0633: 1, H0695: 1,
L0762: 1, L0640: 1,
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L0648: 1, L0767: 1,

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HHFUN47	1045842	718	4701 - 2335	2893	Glu-98 to Asp-109, Ser-121 to Ile-128.	L0748: 13, L0754: 5, L0746: 5, S0356: 4, H0052: 4, L0803: 4, L0745: 4, L0749: 4, L0731: 4, S0360: 3, H0032: 3, H0646: 3, L0766: 3, L0438: 3, L0439: 3, L0740: 3, L0777: 3, S0222: 2, H0581: 2, H0014: 2, S0003: 2, H0591: 2, L0775: 2, L0664: 2, H0435: 2, L0743: 2, L0485: 2, H0542: 2, H0543: 2, L0600: 2, S6024: 1, S0376: 1, H0331: 1, S0414: 1,		

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HNTSV18	1045995	719	1 - 504	2894	Ala-3 to Gly-19, Arg-29 to Gly-34, Gly-41 to Pro-51, Tyr-90 to Gly-102, Pro-119 to Trp-124.	AR104: 6, AR033: 5, AR053: 5, AR089: 4, AR096: 3, AR060: 3, AR061: 1, AR055: 0, AR039: 0 H0144: 2, S0126: 2,		7q21-q22		116860, 126650, 126650, 129900, 133170, 154276,

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HWHGU08	1046137	720	2564 - 1749	2895	Ala-43 to Thr-51, Gly-104 to Arg-112.	S0412: 19, L0803: 10, S0003: 9, S0414: 6, L0770: 6, L0766: 6, L0663: 6, L0754: 6, S0406: 5, L0752: 5, S0222: 4, L0771: 4, H0144: 4, L0439: 4, L0731: 4, S0444: 3, L0717: 3, H0328: 3, L0662: 3, L0655: 3, S0330: 3, H0521: 3, L0748: 3, L0759: 3, H0556: 2, S0356: 2, S0354: 2, H0676: 2, S0408: 2, H0013: 2, H0575: 2, H0050: 2, H0266: 2, S0214: 2, H0428: 2, H0031: 2, H0674: 2, T0067: 2, L0764: 2, L0806: 2, L0805: 2, L0809: 2, L0666: 2, L0664: 2, L0665: 2, H0547: 2, H0435: 2, H0659: 2,	10p11.2-p12	600964, 602026

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HE6CR19	1046177	721	870 - 508	2896	Val-3 to Gly-14, Ser-65 to Asn-70.	AR089: 30, AR060: 18, AR039: 17, AR033: 16, AR096: 16, AR104: 13, AR055: 12, AR052: 12, AR053: 8, AR061: 8 L0731: 13, L0748: 11, L0747: 10, L0740: 6, L0763: 5, L0750: 5, L0770: 4, L0766: 4,	2p22-p21	120435, 120435, 126600, 135300, 136435, 152790, 152790, 157170, 182601, 278300,

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HE9E182	1046856	722	3 - 173	2897	Glu-12 to Phe-17, Ser-44 to Asn-57.	L0747: 7, H0144: 6, L0748: 6, L0758: 6, L0666: 5, L0750: 5, L0755: 5, S0360: 4, L0646: 4, L0375: 4, L0776: 4, S0358: 3, H0013: 3, H0024: 3, H0087: 3, L0761: 3, L0764: 3, L0775: 3, L0513: 3, L0809: 3, L0532: 3, L0565: 3, L0751: 3, L0752: 3, L0731: 3, L0588: 3, H0170: 2, T0049: 2, S0116: 2, H0255: 2, S0420: 2, S0280: 2, L0471: 2, H0620: 2, H0083: 2, L0483: 2, H0617: 2, L0769: 2, L0637: 2, L0643: 2, L0662: 2, L0497: 2, L0774: 2, L0655: 2, L0657: 2, L0783: 2,	1q21-q23	104770, 107300, 107670, 110700, 131210, 134638, 135940, 136132, 145001, 146740, 146740, 146740, 146790, 152445, 152445, 159001, 173610, 174000, 176310, 179755, 182860, 182860, 182860,

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HRADC23	1046980	723	49 - 339	2898		S0250: 2 and H0555: 1.			
HODHS68	1047137	724	516 - 1220	2899	Thr-26 to Ala-44, Pro-55 to His-71, Ser-76 to Cys-83, Asn-92 to Lys-104, Pro-149 to Tyr-158, Ser-208 to Asp-214, Glu-228 to Tyr-234.	L0748: 40, L0740: 39, L0754: 23, H0556: 19, H0620: 13, L0755: 12, L0731: 12, L0741: 11, S0002: 10, L0766: 10, L0439: 10, H0265: 9, H0013: 9, H0521: 9, L0747: 9, L0758: 8, H0599: 7, L0794: 7, L0751: 7, L0779: 7, L0777: 7, L0752: 7,	3q21	106165, 117700, 117700, 150210, 169600, 180380, 180380, 180380, 190000, 203500, 232050,

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						L0588: 1, L0599: 1, L0362: 1, L0361: 1, S0276: 1, H0542: 1, S0384: 1 and H0293: 1.		
HOPKT59	1047169	725	275 - 814	2900	Gln-1 to Gln-11, Ala-24 to Asp-33, Pro-81 to Arg-91, Lys-99 to Lys-115, Trp-126 to Arg-142, Asp-162 to Glu-180.	H0556: 15, H0090: 12, S0152: 11, H0543: 10, H0553: 9, S0026: 9, I10341: 8, S0358: 8, H0046: 8, S0440: 8, L0659: 8, L0665: 8, L0595: 8, H0657: 7, H0266: 7, H0591: 7, H0529: 7, L0666: 7, L0663: 7, H0144: 7, H0547: 7, H0521: 7, L0756: 7, L0731: 7, S0360: 6, S0476: 6, S0003: 6, H0615: 6, H0644: 6, H0040: 6, H0413: 6, L0662: 6, L0664: 6, L0754: 6, L0752: 6, L0599: 6, L0608: 6, H0624: 5, S0408: 5, T0109: 5, H0013: 5, H0551: 5, H0560: 5, L0803: 5, L0655: 5, H0519: 5, S0126: 5, H0684: 5, L0439: 5, L0759: 5, S0436: 5, H0542: 5,		

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HMCFK45	1047212	726	121 - 786	2901	Pro-15 to Leu-21,	L0747: 10, L0758: 6,			

					Lys-29 to Asn-39, Arg-110 to Arg-115, Lys-120 to Asn-125, Glu-153 to Leu-158, Pro-173 to Val-181.	L0752: 5, L0774: 4, L0663: 4, L0748: 4, L0751: 4, L0775: 3, L0757: 3, L0759: 3, S0360: 2, S0007: 2, H0687: 2, L0769: 2, L0761: 2, L0766: 2, L0806: 2, L0750: 2, L0777: 2, L0753: 2, L0755: 2, H0254: 1, S0420: 1, S0356: 1, H0392: 1, H0587: 1, L0021: 1, H0046: 1, H0178: 1, H0620: 1, S0050: 1, H0617: 1, H0673: 1, H0616: 1, S0144: 1, S0344: 1, L0637: 1, L0646: 1, L0374: 1, L0771: 1, L0767: 1, L0661: 1, L0629: 1, L0659: 1, L0783: 1, L0367: 1, L0368: 1, L0666: 1, L0664: 1, L0665: 1, H0670: 1, H0672: 1, S0404: 1, H0436: 1, L0740: 1, L0749: 1, L0603: 1, H0422: 1, S0424: 1 and H0677: 1.		
HPLAN63	1047381	727	2 - 595	2902	Lys-1 to Leu-6,	L0777: 13, L0794: 8,		

				Ser-36 to Ser-41, Arg-54 to His-63.	L0438: 7, L0748: 7, L0639: 6, L0759: 6, L0591: 6, H0617: 5, L0439: 5, L0779: 5, L0758: 5, L0596: 5, H0556: 4, H0618: 4, H0052: 4, L0770: 4, L0803: 4, L0789: 4, S0418: 3, H0013: 3, H0628: 3, H0494: 3, L0598: 3, L0769: 3, L0804: 3, L0509: 3, L0665: 3, H0659: 3, H0624: 2, H0265: 2, H0717: 2, S0442: 2, S0354: 2, S0358: 2, L0149: 2, S0046: 2, S0278: 2, H0559: 2, S0010: 2, S0049: 2, L0041: 2, H0050: 2, H0083: 2, H0328: 2, UNKWN: 2, H0529: 2, L0662: 2, L0776: 2, L0655: 2, H0670: 2, H0660: 2, S0406: 2, L0747: 2, L0749: 2, L0752: 2, L0731: 2, S0436: 2, L0594: 2, H0542: 2, H0170: 1, H0171: 1, H0657: 1,		

						L0785: 1, H0384: 1, H0671: 1, H0663: 1, L0534: 1, S0356: 1, S0444: 1, S0408: 1, H0549: 1, S0222: 1, H0643: 1, H0632: 1, S0414: 1, H0257: 1, H0486: 1, T0082: 1, T0048: 1, H0318: 1, S0474: 1, H0194: 1, H0263: 1, H0327: 1, H0544: 1, H0546: 1, H0046: 1, H0057: 1, L0163: 1, H0051: 1, S0051: 1, T0010: 1, H0266: 1, H0188: 1, L0052: 1, H0238: 1, S0003: 1, H0604: 1, H0644: 1, H0068: 1, H0316: 1, S0036: 1, H0040: 1, H0164: 1, H0413: 1, H0059: 1, H0100: 1, L0564: 1, H0625: 1, S0448: 1, S0440: 1, S0150: 1, L0637: 1, L0373: 1, L0800: 1, L0374: 1, L0765: 1, L0771: 1, L0766: 1, L0649: 1, L0378: 1, L0805: 1,

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HNSME49	1047403	728	1295 - 558	2903	Glu-16 to Gly-28, Glu-73 to Glu-78, Asp-94 to Ser-103, Lys-124 to Asp-129, Gln-149 to Arg-155, Ala-190 to Ser-233, Val-240 to Pro-246.	L0794: 6, H0685: 2, S0356: 2, H0090: 2, H0494: 2, L0766: 2, L0803: 2, L0654: 2, L0665: 2, H0435: 2, L0362: 2, H0556: 1, H0384: 1, H0484: 1, S0418: 1, H0497: 1, H0013: 1, S0010: 1, S0346: 1, S0049: 1, H0545: 1, H0375: 1, H0674: 1, L0455: 1, H0413: 1, L0639: 1, L0800: 1, L0376: 1,		

						L0378: 1, L0805: 1, L0657: 1, L0659: 1, L0783: 1, L0809: 1, L0789: 1, L0663: 1, L0664: 1, S0374: 1, H0520: 1, S0126: 1, H0666: 1, H0539: 1, S0152: 1, S0037: 1, L0756: 1, L0779: 1, L0777: 1, L0755: 1, S0436: 1, L0592: 1 and H0506: 1.		
HWEAC64	1047473	729	155 - 721	2904	Glu-17 to Val-22, Val-29 to Asn-38, Gly-60 to Val-67, Gln-84 to Glu-93, Lys-106 to Leu-115, Gln-118 to Gln-123, Lys-152 to Val-159.	AR104: 1, AR033: 1, AR089: 1, AR053: 0, AR096: 0, AR061: 0, AR039: 0, AR052: 0, AR060: 0, AR055: 0 H0694: 29, H0703: 13, H0683: 10, H0717: 7, H0713: 6, H0542: 6, H0687: 4, H0656: 3, H0685: 2, H0716: 2, H0688: 2, H0695: 2, S0428: 2, H0689: 2, H0684: 2, H0521: 2, H0580: 1, H0601: 1, H0592: 1, H0708: 1, S0150: 1, H0699: 1, H0519: 1, H0709: 1, H0522: 1, H0555: 1,		

						S0028: 1, H0707: 1 and H0543: 1.		
HOCQJ51	1047483	730	3 - 1016	2905	Gln-15 to Phe-20, Ser-49 to Tyr-54, Glu-111 to Glu-121, Arg-185 to Asp-190, Phe-206 to Asp-212, Glu-309 to Pro-314.	L0794: 8, H0556: 4, H0046: 4, L0809: 3, L0748: 3, H0341: 2, S0356: 2, S0046: 2, H0100: 2, L0769: 2, L0659: 2, S0328: 2, L0742: 2, H0422: 2, H0265: 1, T0002: 1, S0418: 1, S0420: 1, S0354: 1, S0045: 1, L0717: 1, H0549: 1, S0222: 1, H0586: 1, H0156: 1, T0110: 1, H0150: 1, S0051: 1, H0594: 1, H0266: 1, S0250: 1, H0604: 1, S0364: 1, H0634: 1, H0412: 1, H0494: 1, H0561: 1, H0695: 1, H0529: 1, L0761: 1, L0667: 1, L0772: 1, L0643: 1, L0764: 1, L0771: 1, L0768: 1, L0766: 1, L0803: 1, L0629: 1, L0368: 1, L0788: 1, H0690: 1, H0682: 1, H0660: 1, S0152: 1, S0404: 1,		

						L0747: 1, L0755: 1, H0445: 1 and H0542: 1.		
HOPKE15	1047634	731	3 - 434	2906	Met-18 to Tyr-45, Arg-56 to Thr-65, Gln-89 to Glu-107, Pro-109 to Ala-132.	H0046: 9, L0766: 8, L0731: 4, S0360: 3, S0408: 3, H0529: 3, L0769: 3, L0608: 3, H0543: 3, H0656: 2, H0341: 2, S0046: 2, S0010: 2, H0318: 2, H0616: 2, S0150: 2, S0002: 2, L0803: 2, L0659: 2, S0374: 2, H0684: 2, S0328: 2, L0750: 2, L0752: 2, L0759: 2, H0170: 1, S0134: 1, H0657: 1, H0637: 1, H0580: 1, H0486: 1, T0040: 1, T0109: 1, L0021: 1, H0575: 1, H0581: 1, H0052: 1, H0266: 1, H0188: 1, S0214: 1, H0328: 1, H0615: 1, H0428: 1, H0039: 1, H0553: 1, H0598: 1, H0163: 1, H0591: 1, H0038: 1, H0040: 1, T0067: 1, H0413: 1, S0464: 1, S0440: 1, L0598: 1, L0772: 1,		

						L0800: 1, L0764: 1, L0773: 1, L0648: 1, L0768: 1, L0774: 1, L0775: 1, L0382: 1, L0792: 1, L0666: 1, H0520: 1, S0126: 1, H0682: 1, H0648: 1, H0539: 1, S0378: 1, S0380: 1, S0152: 1, H0521: 1, H0696: 1, H0214: 1, S0406: 1, S0027: 1, L0751: 1, L0777: 1, L0755: 1, L0758: 1, S0031: 1, L0480: 1, L0596: 1, L0592: 1, H0653: 1, H0667: 1, S0192: 1, H0542: 1 and H0422: 1.		
HMAEL73	1047646	732	748 - 2463	2907	Pro-41 to Gln-47, Thr-169 to Glu-174, Gly-252 to Glu-259, Pro-343 to Ser-348, Asn-379 to Ala-384, His-425 to Glu-432, Asn-505 to Asn-511, Arg-516 to Phe-522.	L0758: 6, L0731: 4, L0747: 3, S0342: 2, L0769: 2, L0768: 2, L0749: 2, L0615: 1, H0686: 1, H0125: 1, S0418: 1, S0354: 1, S0358: 1, S0360: 1, S0222: 1, H0613: 1, H0004: 1, H0510: 1, S6028: 1, H0615: 1, H0039: 1, H0494: 1, S0144: 1, L0762: 1,		

						L0388: 1, L0775: 1, L0789: 1, H0689: 1, H0435: 1, H0648: 1, S0152: 1, L0744: 1, L0745: 1, L0755: 1 and H0423: 1.		
HNOKE42	1047663	733	2 - 445	2908	Arg-1 to Tyr-7, Arg-17 to Arg-23, Glu-40 to Phe-45, Thr-64 to Tyr-71, Arg-117 to Glu-127, Arg-141 to Ser-148.	H0551: 4, H0494: 4, H0561: 3, H0529: 3, H0521: 3, H0486: 2, L0471: 2, H0373: 2, H0510: 2, H0687: 2, H0553: 2, H0708: 2, H0560: 2, H0509: 2, L0794: 2, L0774: 2, H0547: 2, H0519: 2, H0539: 2, L0439: 2, L0754: 2, L0777: 2, H0685: 1, S0282: 1, S0418: 1, H0637: 1, H0485: 1, H0156: 1, H0530: 1, T0010: 1, S6028: 1, T0023: 1, H0212: 1, T0042: 1, L0763: 1, L0637: 1, L0768: 1, L0805: 1, L0530: 1, L0787: 1, S0148: 1, H0435: 1, H0670: 1, H0660: 1, H0710: 1, H0518: 1, H0522: 1, H0704: 1,		

						S0176: 1, L0748: 1, L0749: 1, L0731: 1 and L0758: 1.			
HOFAE31	1047670	734	2 - 220	2909	Glu-1 to Leu-8, Arg-38 to Cys-49.	H0414: 2			
HCLCX62	1047716	735	129 - 437	2910	Ala-1 to Leu-7, Ser-18 to Lys-23.	S0136: 25, L0665: 4, S0001: 1, H0662: 1, H0632: 1, H0594: 1, H0188: 1, H0598: 1, H0379: 1, S0294: 1, L0764: 1, L0521: 1, L0803: 1, L0805: 1, L0493: 1, L0514: 1, L0515: 1, L0659: 1, H0689: 1, H0683: 1, H0670: 1, H0672: 1, S0328: 1, H0539: 1, H0478: 1, L0777: 1, L0731: 1 and L0599: 1.			
HNOAC93	1047820	736	826 - 554	2911	Pro-12 to Pro-20, Leu-24 to Ser-31, Pro-34 to Pro-82, Arg-84 to Pro-91.	AR053: 18, AR089: 16, AR096: 15, AR033: 14, AR039: 12, AR060: 11, AR104: 11, AR055: 10, AR061: 6 H0251: 6, H0412: 2, H0295: 1, S0114: 1, H0657: 1, H0255: 1, H0663: 1, H0619: 1, S0222: 1, H0392: 1, H0333: 1, H0486: 1,	16p13.3	141750, 141800, 141800, 141800, 141800, 141850, 141850, 141850, 141850, 141850, 156850,

						H0635: 1, H0318: 1, H0050: 1, H0051: 1, S0388: 1, S0051: 1, H0239: 1, H0688: 1, H0644: 1, H0181: 1, H0617: 1, H0606: 1, S0438: 1, L0769: 1, L0761: 1, L0803: 1, H0547: 1, S0126: 1, H0658: 1, H0672: 1, H0651: 1, S0404: 1, S0406: 1, H0436: 1, L0748: 1, L0751: 1 and S0276: 1.		186580, 191092, 600140, 600273, 601313, 601785
HMEJA45	1047848	737	1 - 399	2912	Phe-4 to Arg-11, Ala-16 to Ser-22, Cys-31 to Cys-39.	AR060: 5, AR061: 3, AR104: 3, AR089: 3, AR096: 2, AR055: 2 S0206: 5, H0413: 3, S0028: 3, H0170: 2, S0212: 2, H0546: 2, H0266: 2, H0171: 1, S0040: 1, H0580: 1, H0208: 1, H0411: 1, H0437: 1, H0453: 1, H0427: 1, H0051: 1, S0051: 1, H0355: 1, S0003: 1, H0031: 1, H0412: 1, S0188: 1, S0390: 1, S3014: 1, S0027: 1 and S0031: 1.		

HLDAS11	1047937	738	224 - 958	2913	Asn-33 to Glu-41, Ala-58 to Ser-69, Ser-77 to Pro-84, Pro-97 to Pro-102, Ile-121 to Gln-128.	H0693: 636, H0637: 29, H0551: 16, L0748: 11, L0777: 7, H0069: 5, L0666: 4, L0157: 3, H0641: 3, L0766: 3, L0665: 3, L0758: 3, H0510: 2, H0615: 2, H0509: 2, L0663: 2, H0521: 2, L0751: 2, L0755: 2, H0542: 2, H0650: 1, H0657: 1, S0356: 1, S0376: 1, S0360: 1, H0431: 1, H0013: 1, H0618: 1, S0010: 1, H0581: 1, T0001: 1, H0052: 1, H0251: 1, H0596: 1, H0373: 1, H0083: 1, H0271: 1, S0250: 1, S0003: 1, S0214: 1, H0622: 1, H0553: 1, H0674: 1, H0038: 1, H0040: 1, H0272: 1, H0059: 1, T0041: 1, H0646: 1, L0598: 1, L0662: 1, L0768: 1, L0649: 1, L0774: 1, L0805: 1, L0776: 1, L0657: 1, L0517: 1, L0382: 1, L0791: 1,		

						H0144: 1, S0126: 1, H0690: 1, H0658: 1, H0648: 1, S0152: 1, S0146: 1, L0743: 1, L0439: 1, L0754: 1, L0749: 1, S0260: 1 and L0366: 1.			
HWMJB31	1048009	739	202 - 732	2914	Ile-1 to Thr-7, Glu-16 to Glu-33, Leu-37 to Ala-46, Leu-69 to Glu-80, Tyr-89 to Gln-111, Ser-121 to Cys-128, Pro-135 to Glu-156, Glu-162 to Thr-177.	S0358: 1			
HAZAA31	1048188	740	1480 - 185	2915		L0593: 16, L0591: 12, H0343: 9, L0667: 8, L0751: 8, H0581: 7, H0457: 7, H0617: 7, L0659: 7, S0418: 6, S0046: 6, H0494: 6, S0206: 6, S0116: 5, H0341: 5, H0402: 5, S0222: 5, H0271: 5, L0766: 5, H0521: 5, S0027: 5, L0740: 5, L0749: 5, L0595: 5, S0360: 4, H0486: 4, S0280: 4, H0024: 4, H0551: 4, L0372: 4,	3p14.3	150250, 164500, 277730, 600971, 601226	

					H0606: 1, L0055: 1, H0124: 1, H0090: 1, H0040: 1, T0067: 1, H0412: 1, H0100: 1, H0560: 1, H0130: 1, H0647: 1, H0646: 1, S0142: 1, S0210: 1, S0002: 1, H0529: 1, L0535: 1, L0770: 1, L0638: 1, L0796: 1, L0637: 1, L0643: 1, L0374: 1, L0764: 1, L0773: 1, L0662: 1, L0768: 1, L0774: 1, L0378: 1, L0658: 1, L0383: 1, L0382: 1, L0791: 1, L0664: 1, S0126: 1, H0689: 1, H0690: 1, H0682: 1, H0435: 1, H0670: 1, H0660: 1, H0666: 1, L0355: 1, S0378: 1, L0602: 1, H0134: 1, H0436: 1, L0750: 1, L0755: 1, S0031: 1, S0436: 1, L0608: 1, S0026: 1, H0653: 1, H0665: 1, H0667: 1, H0217: 1 and H0352: 1.		
HOCMC83	1048300	741	56 - 1465	2916	Gln-116 to Trp-124,	H0253: 8, H0618: 6,	

					Glu-154 to Glu-161, Glu-270 to Asn-278, Glu-360 to Trp-371, Asp-440 to Asp-445, Ser-450 to Leu-456.	L0758: 5, L0766: 4, H0620: 3, H0038: 3, L0794: 3, S0358: 2, H0687: 2, H0135: 2, L0508: 2, L0809: 2, L0787: 2, L0665: 2, H0520: 2, L0439: 2, H0650: 1, H0657: 1, S0222: 1, H0574: 1, H0318: 1, H0581: 1, S0049: 1, H0545: 1, H0566: 1, H0622: 1, H0033: 1, H0181: 1, H0617: 1, H0165: 1, H0264: 1, H0059: 1, L0564: 1, H0561: 1, S0150: 1, H0647: 1, L0769: 1, L0644: 1, L0768: 1, L0774: 1, L0375: 1, L0806: 1, L0509: 1, L0514: 1, L0510: 1, L0789: 1, L0438: 1, H0435: 1, H0660: 1, H0648: 1, H0696: 1, H0436: 1, H0627: 1 and L0731: 1.			
HCFCS40	1048427	742	2 - 1330	2917	Leu-21 to Gly-27, Pro-73 to Leu-83.	AR0060: 241, AR033: 229, AR055: 211, AR061: 142, AR089: 103, AR053: 85.	3p21.3	116806, 120120, 120120, 120120.	

					AR052: 62, AR104: 48, AR096: 33, AR039: 25 S0474: 21, H0683: 7, L0748: 7, H0251: 6, L0777: 5, S0422: 4, L0764: 4, L0766: 4, L0740: 4, L0754: 4, S0418: 3, H0046: 3, H0553: 3, H0521: 3, L0779: 3, L0752: 3, L0731: 3, L0757: 3, H0422: 3, H0713: 2, H0717: 2, H0733: 2, S0476: 2, H0441: 2, H0575: 2, H0428: 2, H0494: 2, L0659: 2, L0666: 2, H0547: 2, H0519: 2, L0439: 2, L0745: 2, L0749: 2, L0756: 2, L0758: 2, L0485: 2, S0026: 2, S0384: 2, H0716: 1, S0212: 1, H0661: 1, S0356: 1, S0444: 1, S0045: 1, S0046: 1, S0132: 1, H0645: 1, H0406: 1, S6022: 1, H0431: 1, H0587: 1, H0486: 1, T0040: 1,	120436, 120436, 120436, 138320, 168468, 182280, 600163

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HYCAA65	1048595	743	1042 - 212	2918	Trp-1 to Gly-10, Gly-22 to Gly-29, Leu-82 to Val-88, Ala-116 to His-123,	S0440: 12, H0543: 11, H0341: 7, L0775: 6, L0591: 6, L0770: 5, L0766: 5, L0750: 5,		

					Lys-144 to Phe-156, Phe-167 to Thr-181, Glu-202 to Asp-207, Glu-262 to Ser-277.	L0759: 5, L0588: 5, H0542: 5, S0360: 4, S0045: 4, H0486: 4, H0012: 4, S0372: 4, S0144: 4, L0755: 4, L0731: 4, L0758: 4, L0596: 4, S0114: 3, H0657: 3, S0132: 3, H0640: 3, H0545: 3, H0266: 3, H0413: 3, H0494: 3, L0598: 3, H0529: 3, L0521: 3, L0364: 3, L0657: 3, L0783: 3, L0809: 3, L0666: 3, L0665: 3, H0547: 3, H0519: 3, S0126: 3, H0659: 3, H0670: 3, L0777: 3, S0436: 3, L0595: 3, H0395: 2, H0265: 2, T0049: 2, H0484: 2, H0402: 2, H0125: 2, S0418: 2, S0408: 2, S0410: 2, H0580: 2, T0109: 2, H0575: 2, H0581: 2, H0546: 2, H0373: 2, H0510: 2, H0708: 2, H0412: 2, H0396: 2, L0763: 2, L0769: 2, L0774: 2,		

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HSPSI76	1048635	744	85 - 1578	2919	Phe-1 to Pro-12, Asp-182 to Pro-188,	S0250: 4, H0551: 4, S0360: 3, H0013: 3,	5q31	121050, 131400,	

				Arg-215 to Tyr-224, Gly-240 to Lys-247, Pro-279 to Gly-286, Leu-295 to Glu-308, Pro-326 to Tyr-331, Thr-343 to Arg-349, Tyr-354 to Ala-360, Lys-369 to Asp-375, Ser-426 to Asp-432.	H0295: 2, H0628: 2, L0776: 2, S30142, L0439: 2, S0212: 1, S0418: 1, S0420: 1, H0734: 1, S0046: 1, S0476: 1, H0497: 1, T0040: 1, H0544: 1, H0545: 1, H0024: 1, S0003: 1, H0644: 1, H0038: 1, H0040: 1, H0413: 1, S0294: 1, H0633: 1, S0144: 1, L0372: 1, L0805: 1, L0654: 1, L5623: 1, L4501: 1, H0144: 1, L0438: 1, S0126: 1, H0683: 1, H0672: 1, H0539: 1, H0521: 1, H0631: 1, S0037: 1, S0434: 1, L0588: 1, L0599: 1, L0601: 1 and H0665: 1.		138040, 153455, 159000, 179095, 181460, 192974, 192974, 600807, 601596, 601692, 601692, 601692, 601692, 602089, 602121, 602460
HVVCH35	1048658	745	1107 - 91	2920	Ser-45 to Pro-51.	L0769: 5, L0759: 4, H0402: 3, S0376: 3, H0424: 3, L0749: 3, S0222: 2, L0535: 2, L0774: 2, L0806: 2, L0384: 2, L0666: 2, H0265: 1, S0218: 1, H0484: 1, S0354: 1,	22q13.33	

						S0444: 1, S0360: 1, S0007: 1, H0392: 1, H0559: 1, H0486: 1, T0039: 1, T0060: 1, L0021: 1, H0004: 1, H0581: 1, H0052: 1, H0194: 1, H0204: 1, H0024: 1, H0405: 1, H0617: 1, H0606: 1, H0090: 1, H0272: 1, H0494: 1, S0438: 1, S0422: 1, S0002: 1, L0770: 1, L0772: 1, L0372: 1, L0641: 1, L0645: 1, L0771: 1, L0768: 1, L0794: 1, L0381: 1, L0775: 1, L0789: 1, H0547: 1, H0659: 1, H0658: 1, H0672: 1, H0521: 1, S0406: 1, H0727: 1, L0744: 1, L0779: 1, L0758: 1, H0445: 1, H0423: 1 and H0422: 1.		
HOFN166	1048739	746	3 - 710	2921	Thr-1 to Asp-9, Gly-18 to Ser-24, Asn-35 to Arg-42, Trp-49 to Asp-62, Ser-69 to Ala-74, Arg-155 to Trp-167,	L0740: 10, L0752: 9, L0748: 8, S0422: 6, S0440: 5, L0666: 5, L0754: 5, S0360: 4, H0327: 4, L0771: 4, L0438: 4, S0126: 4,		

					Leu-173 to Tyr-180, Arg-190 to Ala-197:	S0406: 4, L0779: 4, L0596: 4, S0444: 3, T0109: 3, H0575: 3, S0003: 3, L0805: 3, L0776: 3, L0809: 3, L0664: 3, L0665: 3, S0328: 3, H0696: 3, L0439: 3, L0755: 3, L0731: 3, H0543: 3, H0657: 2, H0662: 2, S0420: 2, S0356: 2, S0358: 2, S0408: 2, S0007: 2, H0415: 2, S0010: 2, H0046: 2, H0014: 2, H0083: 2, H0032: 2, H0674: 2, H0708: 2, H0090: 2, H0038: 2, H0272: 2, H0429: 2, H0494: 2, S0372: 2, S0438: 2, H0509: 2, L0598: 2, L0766: 2, L0649: 2, L0774: 2, L0775: 2, L0543: 2, L5622: 2, L0663: 2, H0144: 2, S0378: 2, L0602: 2, H0522: 2, S0028: 2, L0758: 2, L0588: 2, L0599: 2, S0026: 2, S0424: 2, H0170: 1,		

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HMSK190	1048792	747	1432 - 1770	2922		AR096: 4, AR089: 4, AR060: 2, AR033: 2, AR104: 2, AR061: 1,	

						AR053: 0, AR055: 0, AR039: 0 H0171: 1, S0444: 1 and S0002: 1.	
HSYBI49	1049151	748	2 - 805	2923		AR089: 15, AR096: 14, AR060: 12, AR039: 10, AR104: 8, AR053: 8, AR055: 4, AR033: 4, AR061: 3, AR052: 2 L0777: 17, H0521: 11, L0747: 6, L0649: 5, H0586: 4, L0664: 4, L0748: 4, L0749: 4, H0661: 3, S0132: 3, H0587: 3, H0509: 3, L0637: 3, L0662: 3, L0806: 3, L0665: 3, L0779: 3, S0358: 2, L0717: 2, T0040: 2, H0014: 2, H0494: 2, S0438: 2, L0451: 2, H0547: 2, H0435: 2, H0658: 2, H0648: 2, H0672: 2, L0602: 2, S0436: 2, H0543: 2, L0448: 1, S0476: 1, H0431: 1, H0592: 1, T0114: 1, L0021: 1, T0010: 1, H0188: 1,	

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HTXSN37	1049372	749	1061 - 1864	2924	Thr-34 to Glu-47, Pro-82 to Ser-104, His-120 to Asn-126, His-129 to Pro-152, Cys-214 to Lys-220, Lys-261 to Ser-268.	S0422: 31, L0748: 16, L0803: 12, H0580: 11, H0615: 10, L0754: 9, L0596: 9, S0360: 8, L0805: 8, L0779: 8, L0663: 7, L0745: 7, S0358: 6, H0271: 6, L0766: 6, L0809: 6, S0406: 6, L0777: 6, S0007: 5, H0046: 5, H0024: 5, L0770: 5, L0761: 5, L0771: 5, L0662: 5, L0657: 5, L0666: 5, H0710: 5, H0436: 5, L0750: 5, H0542: 5, S0444: 4, S0476: 4, H0547: 4,		

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HMUBT31	1049466	750	2 - 1429	2925	Lys-45 to Asp-54, Thr-56 to Leu-63, Gln-227 to Thr-241, Glu-287 to Val-292, Gln-331 to Gly-337, Glu-402 to Asp-411, Glu-436 to Cys-441, Glu-454 to Glu-461.	L0605: 28, L0754: 9, S0003: 6, L0803: 6, L0777: 5, L0759: 4, L0770: 3, L0663: 3, H0683: 3, L0439: 3, L0756: 3, L0599: 3, S0026: 3, H0171: 2, S0418: 2, H0587: 2, H0050: 2, L0483: 2, H0032: 2, H0591: 2, H0413: 2, L0772: 2, L0768: 2, L0649: 2, L0659: 2, L0666: 2, H0547: 2, H0519: 2, H0670: 2, S0380: 2,		

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H0392: 1, H0635: 1,
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S0344: 1, H0538: 1,
S0422: 1, H0529: 1,
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L0766: 1, L0804: 1,
L0776: 1, L0527: 1,
L0647: 1, L0665: 1,
L0438: 1, L0352: 1,
H0435: 1, H0658: 1,

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HFPDO90	1049644	751	456 - 202	2926	Asp-74 to His-85.	S0134: 1, S0222: 1, L0774: 1, L0776: 1 and L0366: 1.	5q31		121050, 131400, 138040, 153455, 159000, 179095, 181460, 192974, 192974, 600807, 601596, 601692, 601692, 601692, 601692, 602089, 602121, 602460
HVVCB79	1050102	752	195 - 1205	2927	Glu-29 to Cys-39, Val-46 to Ser-52, Asn-58 to Gly-65, Cys-68 to His-82, Tyr-84 to Gly-94.	L0659: 19, S0476: 18, H0271: 18, S0152: 15, H0521: 12, L0666: 7, S0132: 6, H0494: 5, L0754: 5, L0601: 5,	10q24		157640, 174900, 180250, 186770, 236730,

				Leu-122 to Trp-138, Ala-158 to Leu-170, Gly-175 to Arg-182, Tyr-203 to Ser-210, Gly-246 to Met-258, Arg-288 to Gln-296.	S0360: 4, L0771: 4, L0653: 4, L0751: 4, H0295: 3, H0486: 3, H0635: 3, H0416: 3, H0615: 3, L0662: 3, S0428: 3, L0748: 3, L0747: 3, L0731: 3, H0661: 2, S0376: 2, H0437: 2, H0587: 2, H0485: 2, T0039: 2, H0318: 2, H0545: 2, H0620: 2, H0266: 2, H0090: 2, H0623: 2, L0763: 2, L0646: 2, L0642: 2, L0774: 2, L0775: 2, L0378: 2, L0806: 2, L0664: 2, S0374: 2, H0519: 2, S0406: 2, L0439: 2, L0779: 2, L0755: 2, L0604: 2, L0698: 2, H0149: 1, H0686: 1, H0713: 1, S0212: 1, H0255: 1, S0408: 1, H0637: 1, S0046: 1, H0411: 1, S0278: 1, H0599: 1, H0251: 1, H0457: 1, H0024: 1, H0014: 1, H0328: 1, H0553: 1, H0644: 1,	271245, 278000, 278000, 600095, 600512, 601107, 601130, 602082

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HDPGR19	1050167	753	2 - 670	2928	Ala-32 to Arg-48, Cys-138 to Ser-147, Lys-161 to Glu-166, Pro-179 to Asn-189.	AR055: 2, AR033: 1, AR089: 1, AR060: 1, AR096: 1, AR039: 0, AR061: 0, AR052: 0, AR053: 0 H0521: 36, L0754: 20, L0748: 13, L0740: 12, L0439: 9, S0440: 8, H0522: 8, L0777: 8, H0580: 7, H0641: 7, L0659: 7, S0126: 7, S0436: 7, H0638: 6,		

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L0591: 2, L0581: 2,
L0593: 2, L0362: 2,
S0242: 2, H0170: 1,
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H0713: 1, H0294: 1,
H0583: 1, L0415: 1,
L0808: 1, L0785: 1,
H0663: 1, S0418: 1,
S0442: 1, S0358: 1,
H0637: 1, H0735: 1,
H0733: 1, H0339: 1,
S0132: 1, H0393: 1,
H0411: 1, S0278: 1,
S0222: 1, H0601: 1,
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L0586: 1, H0013: 1,
H0250: 1, H0069: 1,
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HVVDX63	1050256	754	2483 - 1299	2929	Ala-1 to Ser-19, Gln-50 to Ala-69, Lys-113 to Lys-120, Thr-132 to Trp-147, Glu-162 to Gly-172, Leu-185 to Ser-219, Thr-226 to Tyr-234, Pro-288 to Pro-304, Glu-312 to Lys-324, Cys-344 to Gly-355	H0556: 10, L0758: 9, L0777: 7, H0422: 7, H0271: 6, H0265: 5, H0179: 5, H0634: 5, L0747: 5, L0766: 4, L0664: 4, L0751: 4, H0542: 4, H0423: 4, H0657: 3, S0476: 3, H0069: 3, H0641: 3, L0761: 3, H0555: 3, H0436: 3, L0757: 3, H0222: 2, S0132: 2, H0486: 2, H0553: 2, H0551: 2, L0631: 2, L0769: 2, L0667: 2, L0772: 2, L0662: 2, L0378: 2, L0809: 2, S0052: 2, H0658: 2, H0672: 2, S0328: 2, H0518: 2, L0749: 2, L0750: 2, H0445: 2, L0596: 2, L0362: 2, H0653: 2, H0220: 1, H0713: 1, S0218: 1,		

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						L0731: 1, S0196: 1 and H0506: 1.		
HNOJA87	1050282	755	616 - 2415	2930	Ser-35 to Glu-40, Leu-43 to Lys-63, Gln-88 to Tyr-97, Gln-156 to Glu-161, Val-218 to Phe-223, Ser-229 to Cys-237, Phe-323 to Ala-332, Phe-334 to Ser-339, Glu-357 to Gly-362, Ser-382 to Pro-391, Ser-403 to His-411, Asp-414 to Leu-425, Pro-429 to Arg-444, Ser-481 to Asn-486, Asp-495 to Lys-503, Asn-508 to Leu-514, Lys-528 to Ser-544, Asp-565 to Tyr-576, Leu-578 to Gly-584, Lys-591 to Asn-600.	L0758: 8, L0439: 7, S0003: 6, L0602: 6, L0665: 5, S0330: 5, H0521: 5, L0755: 5, L0731: 5, L0483: 4, L0598: 4, L0766: 4, L0775: 4, L0666: 4, L0748: 4, H0423: 4, H0170: 3, H0580: 3, H0441: 3, H0687: 3, S0022: 3, L0659: 3, H0144: 3, H0547: 3, L0740: 3, L0751: 3, L0596: 3, H0411: 2, H0250: 2, S0280: 2, H0575: 2, H0051: 2, H0083: 2, H0031: 2, UNKWN: 2, L0763: 2, L0776: 2, L0664: 2, S0148: 2, L0438: 2, H0660: 2, S0328: 2, S0380: 2, L0747: 2, L0777: 2, L0590: 2, L0592: 2, L0581: 2, L0594: 2, L0362: 2, S0194: 2, H0624: 1, T0002: 1, H0140: 1, H0685: 1, S0040: 1,	2q31	100690, 120180, 120180, 120180, 120180, 120190, 142989, 156232, 178600, 266100, 600258, 600321

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HTPGI65	1050419	756	56 - 1273	2931	Ser-55 to Thr-60, Glu-97 to Ser-103, Thr-164 to Glu-170, Gly-192 to Gly-197, Leu-204 to Ser-218, Ala-238 to Ser-250, Asp-265 to Tyr-292, Gly-298 to Gly-307, Gly-351 to Met-359, Phe-389 to Glu-400.	S0444: 13, L0751: 12, S0358: 11, L0659: 11, S0436: 10, S0442: 8, S0410: 8, S0406: 8, S0434: 8, L0662: 6, H0435: 6, S0440: 5, L0657: 5, S0354: 4, T0023: 4, L0764: 4, L0771: 4, L0666: 4, H0690: 4, L0743: 4, L0754: 4, L0601: 4, H0046: 3, H0615: 3, H0617: 3, H0032: 3, H0647: 3, L0372: 3, L0665: 3, H0593: 3, L0744: 3, L0748: 3, H0663: 2, S0376: 2, S0408: 2, H0036: 2, H0622: 2, L0483: 2,	1q32.2	145260, 600759, 601975		

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HHFGN14	1050536	757	1791 - 2738	2932	Pro-7 to Ala-17, Pro-28 to Glu-38, Asp-58 to Ser-78, Phe-113 to Asp-120, Tyr-171 to Glu-177, Gln-237 to Gln-246.	S0280: 3, H0581: 3, H0622: 3, H0690: 3, L0751: 3, H0506: 3, S0356: 2, H0670: 2, H0254: 1, S0046: 1, H0411: 1, H0438: 1, H0600: 1, H0632: 1, H0635: 1, H0599: 1, H0009: 1, H0050: 1, H0023: 1, T0010: 1, H0375: 1, H0687: 1, H0039: 1, S0364: 1, H0509: 1, L0527: 1, S0052: 1, H0693: 1, L0438: 1, H0593: 1, H0689: 1, H0660: 1, S0378: 1, H0555: 1, S0392: 1, S0390: 1, S0037: 1 and S0196: 1.	12q13	107777, 123940, 139350, 139350, 148040, 148041, 148043, 148070, 231550, 600194, 600231, 600536, 600808, 600956, 601284, 601769, 601769, 601928, 602116, 602153
HTAIN76	1050553	758	83 - 1300	2933	Pro-19 to Ala-25, Pro-30 to Gly-50, Arg-66 to Gly-78.	L0740: 12, L0653: 6, L0665: 6, H0150: 5, L0439: 5, H0688: 4, L0771: 4, L0659: 4,			

					H0213: 1, L0142: 1, H0135: 1, H0551: 1, H0059: 1, H0509: 1, L0763: 1, L0770: 1, L0637: 1, L0768: 1, L0775: 1, L0375: 1, L0805: 1, L0776: 1, L0629: 1, L0657: 1, L0789: 1, L0532: 1, L0663: 1, L0664: 1, H0144: 1, H0519: 1, H0690: 1, H0435: 1, H0658: 1, H0672: 1, S0378: 1, H0521: 1, S0037: 1, L0743: 1, L0748: 1, L0756: 1, L0780: 1, L0752: 1, L0591: 1, H0667: 1, S0242: 1 and S0276: 1.		
HLYBO89	1050702	759	3 - 557	2934	Pro-1 to Thr-10, Ser-25 to Ile-46, Glu-76 to Ile-82, Ile-89 to Gly-95, Lys-109 to Glu-118, Asp-127 to Gly-132, Glu-148 to Leu-155, Glu-161 to Glu-172.	AR089: 11, AR104: 9, AR060: 6, AR096: 3, AR061: 3, AR055: 2 L0803: 7, H0024: 5, L0805: 5, L0750: 5, S0026: 5, H0208: 3, S0440: 3, L0769: 3, S0126: 3, H0670: 3, S0330: 3, S0152: 3, H0411: 2, S0222: 2, S0010: 2, H0046: 2,	Xq28	300031, 300044, 300048, 300049, 300049, 300055, 300100, 300100, 300104, 300126, 301201,

			H0123: 2, L0471: 2,		301590,
			H0428: 2, H0616: 2,		302060,
			H0087: 2, L0763: 2,		302060,
			L0764: 2, L0766: 2,		302060,
			L0375: 2, L0666: 2,		302060,
			H0659: 2, L0740: 2,		302960,
			L0758: 2, L0759: 2,		303700,
			H0445: 2, L0599: 2,		303800,
			H0170: 1, H0686: 1,		303900,
			H0344: 1, L0002: 1,		304800,
			H0657: 1, H0306: 1,		305900,
			S0356: 1, S0358: 1,		305900,
			S0376: 1, T0008: 1,		305900,
			S0132: 1, H0455: 1,		306700,
			L0021: 1, L0022: 1,		306995,
			H0263: 1, H0572: 1,		308310,
			H0050: 1, H0620: 1,		308840,
			H0051: 1, H0083: 1,		308840,
			H0375: 1, S6028: 1,		308840,
			H0687: 1, S0022: 1,		309200,
			H0615: 1, H0688: 1,		309548,
			H0031: 1, H0708: 1,		309620,
			H0068: 1, H0038: 1,		309900,
			H0264: 1, H0272: 1,		310300,
			T0042: 1, H0561: 1,		310400,
			S0144: 1, L0598: 1,		310460,
			H0529: 1, L0631: 1,		310460,
			L0770: 1, L0637: 1,		311300,
			L0800: 1, L0794: 1,		311510,
			L0806: 1, L0382: 1,		314300,

						L0809: 1, L0787: 1, L0665: 1, H0144: 1, S0374: 1, H0666: 1, S0380: 1, H0696: 1, S3012: 1, S0032: 1, L0747: 1, L0749: 1, L0777: 1, L0752: 1, L0753: 1, L0757: 1, S0434: 1, S0011: 1, S0276: 1 and H0542: 1.		314400
HMEKJ82	1050767	760	1 - 597	2935	Arg-10 to Lys-24, Phe-50 to Arg-57.	AR089: 2, AR096: 1, AR104: 1, AR060: 0, AR061: 0, AR055: 0 S0414: 6, L0754: 6, L0803: 4, H0032: 3, L0774: 3, L0665: 3, L0752: 3, S0418: 2, L0005: 2, H0580: 2, H0431: 2, H0553: 2, H0673: 2, S0422: 2, L0598: 2, L0666: 2, L0748: 2, S0436: 2, L0589: 2, L0603: 2, S0001: 1, L0717: 1, H0415: 1, H0013: 1, H0635: 1, S0280: 1, H0581: 1, S0051: 1, H0266: 1, S0214: 1, H0428: 1, H0598: 1, H0616: 1, S0438: 1,		

						S0440: 1, H0641: 1, H0633: 1, H0646: 1, UNKWN: 1, L0646: 1, L0662: 1, L0766: 1, L0659: 1, L0783: 1, L0809: 1, L0790: 1, L0532: 1, H0658: 1, H0521: 1, S0406: 1, L0751: 1, L0779: 1, L0599: 1, S0011: 1, H0423: 1, H0422: 1, S0042: 1 and H0506: 1.			
HOFNX17	1050969	761	47 - 604	2936	Ile-13 to Gly-19, Thr-21 to Gln-28, Lys-38 to Ser-45, Glu-62 to Tyr-68, Val-72 to Gly-77, Pro-87 to Ser-93, Thr-117 to Gln-126, Gln-133 to Leu-139	H0415: 12, H0414: 2, H0355: 1 and H0517: 1.	9q11-q22	229600, 264300, 600542, 602014, 602088	
HAOSY21	1051095	762	153 - 425	2937	Asn-26 to Gly-31, Cys-44 to Asp-50, Gln-85 to Glu-91.	H0657: 2, H0686: 1, H0341: 1, L0493: 1, H0144: 1, H0689: 1, L0757: 1 and L0596: 1.			
HMWDB39	1051115	763	2 - 598	2938	Ala-1 to Gly-7, Ser-20 to Gly-36, Glu-107 to Thr-112, Glu-114 to Pro-119.	S0474: 13, L0758: 13, L0439: 11, L0754: 11, L0752: 10, H0581: 9, L0766: 9, L0740: 9, L0769: 8, H0423: 8, H0547: 7, L0750: 7,			